

GenCore version 5.1.7
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OM protein - protein search, using SW model

Run on: February 16, 2006, 23:12:45 ; Search time 26 Seconds
(without alignments)
2140.028 Million cell updates/sec

Title: US-10-063-599-16

Perfect score: 3520
Sequence: 1 MCSRVPLLLPILLILALGPG.....PLMGPPGGLGSLHAKPYI 673

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/ptodata/1/1aa/5_COMB.pep:*
2: /cgn2_6/ptodata/1/1aa/6_COMB.pep:*
3: /cgn2_6/ptodata/1/1aa/H_COMB.pep:*
4: /cgn2_6/ptodata/1/1aa/PCTUS_COMB.pep:*
5: /cgn2_6/ptodata/1/1aa/RE_COMB.pep:*
6: /cgn2_6/ptodata/1/1aa/backfiletest.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	3520	100.0	673	2	US-09-063-950-2
2	3520	100.0	673	2	US-09-991-181-52
3	3520	100.0	673	2	US-09-990-444-52
4	3520	100.0	673	2	US-09-997-333-52
5	3520	100.0	673	2	US-09-992-598-52
6	3083.5	87.6	598	2	US-09-866-028-69
7	3083.5	87.6	598	2	US-09-944-457-69
8	3083.5	87.6	598	2	US-09-944-584-69
9	3083.5	87.6	598	2	US-09-944-944-69
10	3083.5	87.6	598	2	US-09-945-587-69
11	411.5	11.7	653	2	US-09-520-781-10
12	411.5	11.7	653	2	US-09-957-187-10
13	411.5	11.7	653	2	US-09-991-053-10
14	407.5	11.6	590	2	US-09-520-781-12
15	407.5	11.6	590	2	US-09-957-187-12
16	407.5	11.6	590	2	US-09-991-053-12
17	402.5	11.4	653	2	US-09-991-181-229
18	402.5	11.4	653	2	US-09-990-444-229
19	402.5	11.4	653	2	US-09-997-333-229
20	402.5	11.4	653	2	US-09-997-598-229
21	402.5	11.4	713	2	US-09-907-794A-245
22	402.5	11.4	713	2	US-09-905-125A-245
23	402.5	11.4	713	2	US-09-902-775A-245
24	402.5	11.4	713	2	US-09-906-700-245
25	402.5	11.4	713	2	US-09-903-603A-245
26	402.5	11.4	713	2	US-09-904-920A-245
27	402.5	11.4	713	2	US-09-909-064-245

28	402	11.4	713	2	US-09-905-381A-245	Sequence 245, App
29	402	11.4	713	2	US-09-906-618-245	Sequence 245, App
30	402	11.4	713	2	US-09-906-646-245	Sequence 245, App
31	402	11.4	713	2	US-09-904-462-245	Sequence 245, App
32	402	11.4	713	2	US-09-902-736A-245	Sequence 245, App
33	402	11.4	713	2	US-09-906-722A-245	Sequence 245, App
34	384.5	10.9	660	2	US-09-907-794A-28	Sequence 28, App
35	384.5	10.9	660	2	US-09-905-125A-28	Sequence 28, App
36	384.5	10.9	660	2	US-09-902-775A-28	Sequence 28, App
37	384.5	10.9	660	2	US-09-906-700-28	Sequence 28, App
38	384.5	10.9	660	2	US-09-903-603A-28	Sequence 28, App
39	384.5	10.9	660	2	US-09-904-920A-28	Sequence 28, App
40	384.5	10.9	660	2	US-09-949-016-6843	Sequence 6843, App
41	384.5	10.9	660	2	US-09-909-064-28	Sequence 28, App
42	384.5	10.9	660	2	US-09-905-381A-28	Sequence 28, App
43	384.5	10.9	660	2	US-09-906-618-28	Sequence 28, App
44	384.5	10.9	660	2	US-09-906-646-28	Sequence 28, App
45	384.5	10.9	660	2	US-09-689-486-58	Sequence 58, App

ALIGNMENTS

RESULT 1									
US-09-063-950-2									
Sequence 2, Application US/09063950C									
Patent No. 6225085									
GENERAL INFORMATION:									
APPLICANT: Holzman, Douglas A.									
TITLE OF INVENTION: NOVEL LRG PROTEIN AND NUCLEIC ACID MOLECULES AND USES									
FILE OF INVENTION: THEREFOR									
FILE REFERENCE: MEI-019									
CURRENT APPLICATION NUMBER: US/09/063.950C									
CURRENT FILING DATE: 1998-04-21									
NUMBER OF SEQ. ID NOS: 9									
SOFTWARE: PatentIn Ver. 2.0									
SEQ. ID NO. 2									
LENGTH: 673									
TYPE: PRT									
ORGANISM: Homo sapiens									
US-09-063-950-2									
Query Match									
Beet Local Similarity 100.0%; Pred. No. 7.3e-249; Length 673;									
Matches 673; Conservative 0; Mismatches 0; Indels 0; Gaps 0;									
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DB	1	MCSRVP	LLP	LLP	LLP	LLP	LLP	LLP	LLP
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DB	61	ENGITM	DAGS	FAGL	PGL	QLLD	LSQ	QIAS	LP
QY	121	RGRLRL	RLV	LGK	RTH	IQPG	AFD	TLDEL	KLQ
DB	121	RGRLRL	RLV	LGK	RTH	IQPG	AFD	TLDEL	KLQ
QY	181	LLALPE	GI	LD	TA	VA	EA	LR	LA
DB	181	LLALPE	GI	LD	TA	VA	EA	LR	LA
QY	241	LTRLRL	AG	NT	RI	AG	TR	IA	Q
DB	241	LTRLRL	AG	NT	RI	AG	TR	IA	Q
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DB	301	NCVCPL	SW	PG	PM	W	RES	VT	LA
QY	361	TRPVRE	PT	LA	SS	LA	PT	WL	S
DB	361	TRPVRE	PT	LA	SS	LA	PT	WL	S

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DB 421 HLGTRHLLACLCPEPGFTGLYCESOMGQGRDPPTVPPTPPRSRLTLGIEPVSPTSRLRYGL 480
QY 481 QRYVQSSVQRLSLRLTYRNLSGPDRLVTTLRLPASLAETVYTOLRPNATYSVCVMPILGP 540
DB 481 QRYVQSSVQRLSLRLTYRNLSGPDRLVTTLRLPASLAETVYTOLRPNATYSVCVMPILGP 540
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DB 541 GRVPEGEACBBAHTPPVHSHNAFVTOARSGNLPLLAPLAANVLLAALAAVGAAYCYVR 600
QY 601 RGRMAAAADKGVGPGAGPLEEGVYVPLEPGPKATEGGGEALPSGSECEVPLMGPPG 660
DB 601 RGRMAAAADKGVGPGAGPLEEGVYVPLEPGPKATEGGGEALPSGSECEVPLMGPPG 660
QY 661 PGLQSPHLAKPYI 673
DB 661 PGLQSPHLAKPYI 673

RESULT 2

US-09-991-181-52
Sequence 52, Application US/09991181

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Deonoviers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gutney, Auerlin J.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C53
CURRENT APPLICATION NUMBER: US/09/991,181
CURRENT FILING DATE: 2001-11-16
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
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PRIOR FILING DATE: 1998-06-17

[illegible]

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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09
;

Query Match	100.0%;	Score 3520;	DB 2;	Length 673;
Best Local Similarity	100.0%;	Pred. No. 7.3e-249;		
Matches 673;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0

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Qy	61	ENGI	TMLD	AGSFA	GLPG	QLDL	DSNQ	IASIP	SGV	FOPLAN	SLUD	TANR	HEIT	NETF	120																																				
Dd	61	ENGI	TMLD	AGSFA	GLPG	QLDL	DSNQ	IASIP	SGV	FOPLAN	SLUD	TANR	HEIT	NETF	120																																				
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Dd	121	RGIR	RLER	YLKGN	I	RH	Q	PG	AP	TL	RL	ELK	QDN	EL	RAL	PL	RL	LL	LD	LS	SHNS	180																													
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Qy	421	HL	G	T	R	H	L	A	C	L	P	E	G	F	T	G	L	C	E	S	Q	G	O	T	R	S	P	T	V	T	P	R	P	R	S	T	L	L	I	E	P	V	S	P	T	S	L	R	V	L	4800
Dd	421	HL	G	T	R	H	L	A	C	L	P	E	G	F	T	G	L	C	E	S	Q	G	O	T	R	S	P	T	V	T	P	R	P	R	S	T	L	L	I	E	P	V	S	P	T	S	L	R	V	L	4800
Qy	481	Q	R	Y	L	O	S	S	V	O	L	R	S	L	R	L	T	R	N	S	G	P	K	R	L	Y	T	L	R	A	S	A	E	Y	T	T	O	L	R	N	A	T	S	V	C	W	L	G	P	5400	
Dd	481	Q	R	Y	L	O	S	S	V	O	L	R	S	L	R	L	T	R	N	S	G	P	K	R	L	Y	T	L	R	A	S	A	E	Y	T	T	O	L	R	N	A	T	S	V	C	W	L	G	P	5400	
Qy	541	G	R	V	E	E	E	A	C	G	E	A	H	P	P	V	A	S	N	H	A	V	T	O	A	R	E	G	N	P	L	I	A	P	A	V	L	A	A	L	A	A	V	G	A	A	C	V	R	6000	
Dd	541	G	R	V	E	E	E	A	C	G	E	A	H	P	P	V	A	S	N	H	A	V	T	O	A	R	E																								

RESULT 3
US-09-990-444-52
Sequence 52, Application US/09990444-52
Patent No. 6,930,170
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerlitz, Mary E.

APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Guirney, Avelin L.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730P1C19
CURRENT FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: US/09/990,444
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/049787
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PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090472
PRIOR FILING DATE: 1998-06-24

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 PRIOR APPLICATION NUMBER: 60/092182
 PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 3520; DB 2; Length 673;
 Best Local Similarity 100.0%; Pred. No. 7.3e-249;
 Matches 673; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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 DB 1 MCSRPVLLPILLLALGPGVGCSCGCGCQSPOTVFCARAGTVPDPVPPDTVGLVVF 60
 QY 61 ENGIMTLDAGSPAGLPGQLDLDSQNTASLPSGVFOPLANTLSNLDLTANRLHEITNETF 120
 DB 61 ENGIMTLDAGSPAGLPGQLDLDSQNTASLPSGVFOPLANTLSNLDLTANRLHEITNETF 120
 QY 121 RGLRRLERLYLGNRIIRHIOGAFDTLDRLEKIDONELRALPLRLRLLLLDLSHS 180
 DB 121 RGLRRLERLYLGNRIIRHIOGAFDTLDRLEKIDONELRALPLRLRLLLLDLSHS 180
 QY 121 RGLRRLERLYLGNRIIRHIOGAFDTLDRLEKIDONELRALPLRLRLLLLDLSHS 180
 DB 121 RGLRRLERLYLGNRIIRHIOGAFDTLDRLEKIDONELRALPLRLRLLLLDLSHS 180
 QY 181 LIALBPGILDTANVRLRAGLQLOLDGFLSRRLNLDLVDVSDQLRVEPVINGLNG 240
 DB 181 LIALBPGILDTANVRLRAGLQLOLDGFLSRRLNLDLVDVSDQLRVEPVINGLNG 240
 QY 241 LTRRLAGNTRIAOLRPEDLAGLALQELDVNSLSQALPGDLSGLFPRLRLAARNPF 300
 DB 241 LTRRLAGNTRIAOLRPEDLAGLALQELDVNSLSQALPGDLSGLFPRLRLAARNPF 300
 QY 301 NCVCPLSMFGPVRSHVTLASPEETRCHFPKMGRLLELDVADFGCPATTTATVPT 360
 DB 301 NCVCPLSMFGPVRSHVTLASPEETRCHFPKMGRLLELDVADFGCPATTTATVPT 360
 QY 361 TPVVRPEPALSSIALPVTLSPTAPATEAPSPSTAPPTVGVPQPODCPSTCLNGCTC 420


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Db      361 TRPVREPTALSSSLAPTWLSPATAPATAPSPSTAPPTVGPVPODQPPSTCLNGGTC 420
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Db      421 HLGTRHHLACCPBEGFTGLYCESOMGQGTSPPTPTPRPRLTGLIEPVSTSLRVGL 480
Qy      481 QRYLOGSSVQLRSLRTYRNLSGPKRLVTTLRLPASLAETVTOLEPNATYSVCVMPPLGP 540
Db      481 QRYLOGSSVQLRSLRTYRNLSGPKRLVTTLRLPASLAETVTOLEPNATYSVCVMPPLGP 540
Qy      541 GRVPEGEACGEAHTPPAVHSNHPVTOAREGNPLPLIAPALAAVLAALAAVGAAYCYR 600
Db      541 GRVPEGEACGEAHTPPAVHSNHPVTOAREGNPLPLIAPALAAVLAALAAVGAAYCYR 600
Qy      601 RGRMAAAAADKQGVGPAGPLEEGVVKPLERPGKATGGGELPSGSECEVPLMGFP 660
Db      601 RGRMAAAAADKQGVGPAGPLEEGVVKPLERPGKATGGGELPSGSECEVPLMGFP 660
Qy      661 PGLQSPHLAKPYI 673
Db      661 PGLQSPHLAKPYI 673

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; Sequence 69, Application US/09866028
; Patent No. 6642360
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin
; APPLICANT: Botstein, David
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fliviaroff, Ellen
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul
; APPLICANT: Grimaldi, Christopher
; APPLICANT: Gurney, Austin
; APPLICANT: Hillan, Kenneth
; APPLICANT: Kljavin, Ivar
; APPLICANT: Napier, Mary
; APPLICANT: Roy, Margaret
; APPLICANT: Tumas, Daniel
; APPLICANT: Wood, William
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P2548PICI
; CURRENT APPLICATION NUMBER: US/09/866,028
; CURRENT FILING DATE: 2001-05-25
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 120
; SEQ ID NO 69
; LENGTH: 598
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-09-866-028-69

Query Match      87.6%; Score 3083.5; DB 2; Length 598;
Best Local Similarity 88.7%; Pred. No. 4,8e-217;
Matches 597; Conservative 0; Mismatches 1; Indels 75; Gaps 1;

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Qy      241 LTRRLAENTTAIQLRPEDLAGLALQOLDVSNLSLQALPDLSGLFPRRLLLAARNPF 300
Db      166 LTRRLAENTTAIQLRPEDLAGLALQOLDVSNLSLQALPDLSGLFPRRLLLAARNPF 225
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Qy      361 TRPVREPTALSSSLAPTWLSPATAPATAPSPSTAPPTVGPVPODQPPSTCLNGGTC 420
Db      286 TRPVREPTALSSSLAPTWLSPATAPATAPSPSTAPPTVGPVPODQPPSTCLNGGTC 345
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Qy      541 GRVPEGEACGEAHTPPAVHSNHPVTOAREGNPLPLIAPALAAVLAALAAVGAAYCYR 600
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Db      586 PGLQSPHLAKPYI 598

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; Sequence 69, Application US/09944457
; Patent No. 6734288
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin
; APPLICANT: Botstein, David
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fliviaroff, Ellen
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul
; APPLICANT: Grimaldi, Christopher
; APPLICANT: Gurney, Austin
; APPLICANT: Hillan, Kenneth
; APPLICANT: Kljavin, Ivar
; APPLICANT: Napier, Mary
; APPLICANT: Roy, Margaret
; APPLICANT: Tumas, Daniel
; APPLICANT: Wood, William
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P2548PICI
; CURRENT APPLICATION NUMBER: US/09/944,457
; CURRENT FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 09/866,028
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/067,411
; PRIOR FILING DATE: December 3, 1997
; PRIOR APPLICATION NUMBER: 60/069,334
; PRIOR FILING DATE: December 11, 1997
; PRIOR APPLICATION NUMBER: 60/069,335
; PRIOR FILING DATE: December 11, 1997
; PRIOR APPLICATION NUMBER: 60/069,278

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APPLICANT: Tuma, Daniel
APPLICANT: Wood, William
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P2549P1C1
CURRENT APPLICATION NUMBER: US/09/945,584
CURRENT FILING DATE: 2001-09-26
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PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: 60/067, 411
PRIOR FILING DATE: December 3, 1997
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PRIOR FILING DATE: February 9, 1998
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PRIOR FILING DATE: February 25, 1998
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PRIOR FILING DATE: June 22, 1999
PRIOR APPLICATION NUMBER: PCT/US99/21090
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PRIOR FILING DATE: February 11, 2000
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PRIOR FILING DATE: February 22, 2000
PRIOR APPLICATION NUMBER: PCT/US00/05841
PRIOR FILING DATE: March 2, 2000

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[illegible]

Patent No. 6929947
 GENERAL INFORMATION:
 APPLICANT: Baker, Kevin
 APPLICANT: Botstein, David
 APPLICANT: Eaton, Dan
 APPLICANT: Ferrara, Napoleone
 APPLICANT: Filvaroff, Ellen
 APPLICANT: Gerlieden, Mary
 APPLICANT: Goddard, Audrey
 APPLICANT: Godowski, Paul
 APPLICANT: Grimaldi, Christopher
 APPLICANT: Gueney, Austin
 APPLICANT: Hillan, Kenneth
 APPLICANT: Kijavina, Ivar
 APPLICANT: Napier, Mary
 APPLICANT: Roy, Margaret
 APPLICANT: Tomas, Daniel
 APPLICANT: Wood, William
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 FILE REFERENCE: P2548P1
 CURRENT APPLICATION NUMBER: US/09/944,944
 PRIOR FILING DATE: 2001-09-26
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 PRIOR FILING DATE: 2001-05-25
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 PRIOR FILING DATE: February 22, 2000
 PRIOR APPLICATION NUMBER: PCT/US00/05841
 PRIOR FILING DATE: March 2, 2000
 PRIOR APPLICATION NUMBER: PCT/US00/08439
 PRIOR FILING DATE: March 30, 2000
 PRIOR APPLICATION NUMBER: PCT/US00/14042
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 PRIOR APPLICATION NUMBER: PCT/US00/20710
 PRIOR FILING DATE: July 28, 2000
 PRIOR APPLICATION NUMBER: PCT/US00/32678
 PRIOR FILING DATE: December 1, 2000
 PRIOR APPLICATION NUMBER: PCT/US01/06520
 NUMBER OF SEQ ID NOS: 120
 SEQ ID NO 69
 LENGTH: 598
 TYPE: PRT
 ORGANISM: Homo Sapien
 US-09-944-944-69

Query Match 87.6%; Score 3083.5; DB 2; Length 598;
 Best Local Similarity 88.7%; Pred. No. 4.8e-217;
 Matches 597; Conservative 0; Mismatches 1; Indels 75; Gaps 1;

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 61 ENGITMLDAGSPAGLPGQLLDLSONOIASLPSGVFQPLANTSLNLDLTANRLHETNETF 120
 61 ENGITMLDAGSPAGLPGQLLDLSONOIASLPSGVFQPLANTSLNLDLTANRLHETNETF 120
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 91 -----LRLPLLLDLSHNS 105
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 106 LLALPGLDPTANVBAFLAIGLQDLDEGLFSRLRNHLDVSDNQLERVPVYRGIRG 165
 241 LTRRLAGNTRIAOLRPEDLAGLAOLDLVSNLSLOALPDLSGLFPRRLAARNP 300
 166 LTRRLAGNTRIAOLRPEDLAGLAOLDLVSNLSLOALPDLSGLFPRRLAARNP 225
 301 NCVCPLSNFPGWVRESHTLASPESTRCHPPKXAGRIILLELYADFCGPAITTTATVPT 360
 226 NCVCPLSNFPGWVRESHTLASPESTRCHPPKXAGRIILLELYADFCGPAITTTATVPT 285
 361 TRPVVREPTALSSSLAIPWLSPTAPATBAPSPPTAPVGPVPOPOCCPSTCLNGGTC 420
 286 TRPVVREPTALSSSLAIPWLSPTAPATBAPSPPTAPVGPVPOPOCCPSTCLNGGTC 345
 421 HLGTGTHLACLCPGFTGLYCESQWQGTSPPTVTPRPRSLTLGIEPVSPISLAVGL 480
 346 HLGTGTHLACLCPGFTGLYCESQWQGTSPPTVTPRPRSLTLGIEPVSPISLAVGL 405
 481 ORYLOGSSVOLRSRLTYRNLSGDPKRLVTLRLPASLAEYVTVQLRPAATVSCVMPGCP 540
 406 ORYLOGSSVOLRSRLTYRNLSGDPKRLVTLRLPASLAEYVTVQLRPAATVSCVMPGCP 465

QY 541 GVEPGEERCGEANTPPAVHSHNAPYTOAREGNLPILIPALAAVILAAVGAAYCYR 600
DB 466 GVPGESEEEACGEANTPPAVHSHNAPYTOAREGNLPILIPALAAVILAAVGAAYCYR 525
QY 601 RGRMAAAADODGQVGPAGGLEEGVKYPLEBGPATGTGGGGBALPSGSECEVPLMGFGP 660
DB 536 RGRMAAAADODGQVGPAGGLEEGVKYPLEBGPATGTGGGGBALPSGSECEVPLMGFGP 585
QY 661 PGLQSPFLHAKPYI 673
DB 586 PGLQSPFLHAKPYI 598
RESULT 10
US-09-945-587-69
Sequence 69, Application US/09945587
Patent No. 6936254
GENERAL INFORMATION:
APPLICANT: Baker, Kevin
APPLICANT: Botstein, David
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Gerltsen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul
APPLICANT: Grimaldi, Christopher
APPLICANT: Gurney, Austin
APPLICANT: Hillan, Kenneth
APPLICANT: Kljavin, Ivar
APPLICANT: Napier, Mary
APPLICANT: Roy, Margaret
APPLICANT: Tumas, Daniel
APPLICANT: Wood, William
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P2548P1C1
CURRENT APPLICATION NUMBER: US/09/945,587
PRIOR FILING DATE: 2001-09-26
PRIOR APPLICATION NUMBER: 09/866,028
PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: 60/067,411
PRIOR FILING DATE: December 3, 1997
PRIOR APPLICATION NUMBER: 60/069,334
PRIOR FILING DATE: December 11, 1997
PRIOR APPLICATION NUMBER: 60/069,335
PRIOR FILING DATE: December 11, 1997
PRIOR APPLICATION NUMBER: 60/069,278
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PRIOR FILING DATE: January 5, 1998
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PRIOR FILING DATE: February 9, 1998
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PRIOR FILING DATE: February 9, 1998
PRIOR APPLICATION NUMBER: 60/075,945
PRIOR FILING DATE: February 25, 1998
PRIOR APPLICATION NUMBER: 60/112,850
PRIOR FILING DATE: December 16, 1998

PRIOR APPLICATION NUMBER: 60/113,296
PRIOR FILING DATE: December 22, 1998
PRIOR APPLICATION NUMBER: 60/146,222
PRIOR FILING DATE: July 28, 1999
PRIOR APPLICATION NUMBER: PCT/US98/19330
PRIOR FILING DATE: September 16, 1998
PRIOR APPLICATION NUMBER: PCT/US98/25108
PRIOR FILING DATE: December 1, 1998
PRIOR APPLICATION NUMBER: 09/216,021
PRIOR FILING DATE: December 16, 1998
PRIOR APPLICATION NUMBER: 09/218,517
PRIOR FILING DATE: December 22, 1998
PRIOR APPLICATION NUMBER: 09/254,311
PRIOR FILING DATE: March 3, 1999
PRIOR APPLICATION NUMBER: PCT/US99/12252
PRIOR FILING DATE: June 22, 1999
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: September 15, 1999
PRIOR APPLICATION NUMBER: PCT/US99/28409
PRIOR FILING DATE: No. 6936254ember 30, 1999
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: No. 6936254ember 30, 1999
PRIOR APPLICATION NUMBER: PCT/US99/28301
PRIOR FILING DATE: December 1, 1999
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: December 16, 1999
PRIOR APPLICATION NUMBER: PCT/US00/03565
PRIOR FILING DATE: February 11, 2000
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: February 22, 2000
PRIOR APPLICATION NUMBER: PCT/US00/05841
PRIOR FILING DATE: March 2, 2000
PRIOR APPLICATION NUMBER: PCT/US00/08439
PRIOR FILING DATE: March 30, 2000
PRIOR APPLICATION NUMBER: PCT/US00/14042
PRIOR FILING DATE: May 22, 2000
PRIOR APPLICATION NUMBER: PCT/US00/20710
PRIOR FILING DATE: July 28, 2000
PRIOR APPLICATION NUMBER: PCT/US00/32678
PRIOR FILING DATE: December 1, 2000
PRIOR APPLICATION NUMBER: PCT/US01/06520
PRIOR FILING DATE: February 28, 2001
NUMBER OF SEQ ID NOS: 120
SEQ ID NO 69
LENGTH: 598
TYPE: PRT
ORGANISM: Homo Sapien
US-09-945-587-69
Query Match 87.6%; Score 3083.5; DB 2; Length 598;
Best Local Similarity 88.7%; Pred. No. 4.8e-217;
Matches 597; Conservative 0; Mismatches 1; Indels 75; Gaps 1;
QY 1 MCSRPVLLPPLLLLLALGPGVQGCPSGCGSQPQTFCTARQGTTPRDPVPTVGLVVF 60
DB 1 MCSRPVLLPPLLLLLALGPGVQGCPSGCGSQPQTFCTARQGTTPRDPVPTVGLVVF 60
QY 61 ENGITMDAGSFAGLPGQLQLDLSQNOIASIPSGVFOPLANLSNLDLTANRLHETNETF 120
DB 61 ENGITMDAGSFAGLPGQLQLDLSQNOIASIPSGVFOPLANLSNLDLTANRLHETNETF 120
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DB 91 -----LRLPRLLLDLSHNS 105
QY 181 LLALEPGILDTANVEALRLAGLGLQQLDEGLFSRLRLNLDLHSDVSDNQLERVPVYRGLRG 240
DB 106 LLALEPGILDTANVEALRLAGLGLQQLDEGLFSRLRLNLDLHSDVSDNQLERVPVYRGLRG 165
QY 241 LTRRLAAGTRIAQLRPBDLAAGLALQELDVSNLSLQALPDDLSGLPFRRLAAARNPF 300
DB 166 LTRRLAAGTRIAQLRPBDLAAGLALQELDVSNLSLQALPDDLSGLPFRRLAAARNPF 225

QY 301 NCVCPLSMFGPWRESHTVLASPEETRCHFPKNAGRLLLELDYADFGCPATTTATVPT 360
 DB 226 NCVCPLSMFGPWRESHTVLASPEETRCHFPKNAGRLLLELDYADFGCPATTTATVPT 285
 QY 361 TRPVREPTALSSSLAPTWLSPAPAEAPSPSTAPPTVGPVPOPODCPSTCLNGSTC 420
 DB 286 TRPVREPTALSSSLAPTWLSPAPAEAPSPSTAPPTVGPVPOPODCPSTCLNGSTC 345
 QY 421 HLGTHHLACLCPSEFTGLCYCSQMGQCTRPSPPTPRPSLTGLIEPVSTSLRVGL 480
 DB 346 HLGTHHLACLCPSEFTGLCYCSQMGQCTRPSPPTPRPSLTGLIEPVSTSLRVGL 405
 QY 481 QRYLGSSVQLRSRLTYNLGSPDKRLVTLLPLASIAEYTVQLRPNATYVCWMLPGP 540
 DB 406 QRYLGSSVQLRSRLTYNLGSPDKRLVTLLPLASIAEYTVQLRPNATYVCWMLPGP 465
 QY 541 GRVPEGEACGSAHTPPAVSHNAPVTOAREGNLPLIAPALAAVLLAAVGAAYCYR 600
 DB 466 GRVPEGEACGSAHTPPAVSHNAPVTOAREGNLPLIAPALAAVLLAAVGAAYCYR 525
 QY 601 RRRMAAAAADQGVGPGAGPLEBEGVKYPLERPGKATGEGEALPSGSECEVPLMGPGP 660
 DB 526 RRRMAAAAADQGVGPGAGPLEBEGVKYPLERPGKATGEGEALPSGSECEVPLMGPGP 585
 QY 661 PGLQSPFLHAKPYI 673
 DB 586 PGLQSPFLHAKPYI 598

RESULT 11
 US-09-520-781-10
 / Sequence 10, Application US/09520781
 / Patent No. 6689866

GENERAL INFORMATION:
 APPLICANT: Shinketsu, Richard A.
 TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES AND PROTEINS ENCODED THEREBY
 FILE REFERENCE: 15966-540 No. 6689866el Polynucleotides
 CURRENT APPLICATION NUMBER: US/09/520,781
 PRIOR FILING DATE: 2000-03-08
 PRIOR APPLICATION NUMBER: USSN 60/123,667
 PRIOR FILING DATE: 1999-03-09
 NUMBER OF SEQ ID NOS: 81
 SOFTWARE: PatentIn Ver. 2.0
 LENGTH: 653
 TYPE: prt
 ORGANISM: Homo sapiens
 US-09-520-781-10

Query Match 11.7%; Score 411.5; DB 2; Length 653;
 Best Local Similarity 25.0%; Pred. No. 9.1e-22;
 Matches 175; Conservative 90; Mismatches 251; Indels 183; Gaps 26;

QY 7 LLLPLLLI-----LALGPVGGCGSGCGCS-QPQVFTCAQGTTPRDVPPD 53
 DB 17 ILPPVYTLAQWILCAIAAASAGPQPCSVSCSNQFSKVVCTRRGLSEVPQGISN 76
 QY 54 TVGLVYFENGITMDAGSFAGLPGQLDLSONQIASLPSGVQPLANTSNLDLTANRLH 113
 DB 77 TRYLNLMENNIOITQADTFRLHLHLVQLGRNSIQIEVGAFNGLASTLELFDNWL 136
 QY 114 ETTNETFGLRLRLRYLKGKRIIRHIOGAFDTLDRLLEKLQDNELRALPPL--RLPR 170
 DB 137 VIPS-----GAFEYLSKLRLELWLRNPNPISIPSYAFNRVPS 172
 QY 171 LLLLDLSH-NSLLALEPGLLD-TANVEALRLAGLGIQODDEGLFSRLRLHLDVDNDQL 228
 DB 173 LKRLDGLBKLEIYISGAFEGFLNKYLNIGKCNKIDMEN--LTPLVGLEELKWSGNRP 230
 QY 229 EKV-PPVINGLGLTTLRLAGNTRIAQLRPEDLAGLALQELDVNSISLQALPGDISGLP 287
 DB 231 PEIRPQSPFGLSLKGLWYV-NSQVSLIRNAPDGLASLVEINLAINNISLPHD---LP 286

QY 288 PRLRLAAA---RNPFCVCPLSWFGPWRESHTVLASPEETRCHFPKNAGRLLLELDY 344
 DB 287 TPLRLVELHLHHPNMDCCDILMLAWLRE-VIPTNSTCCGRCHAPWHRMGRVLYVEYDQ 345
 QY 345 ADFGCPATTTATVPTTRPVREPTALSSSLAP-----TWLSPAPA-TEAPSP 392
 DB 346 ASFOCSA-----PFIMADPRDNLNISEGRMAELKCRTPMSSVKMLLPNGTVLSHARR 398
 QY 393 PSTAPPTVGPVPOPO-----QDCPSTC-----LNGTCHLGRHHLACLCP 434
 DB 399 PRISTANDGTINFSHVLLSDGVYTCMGNTVAGNSNMSAYLNGSPALNTSNY----- 451
 QY 435 GFTGLCYCSQMGQCTRPSPPTPRPSLTGLIEPVSTSLRVGLQRYLGSSVQLR 492
 DB 432 ----SFTTGGERTTEISPEDTRKYPVPTTSGYOPAYTTSTVLIQ----- 496
 QY 493 SLRLTYRLSGPDKRLVTLLPLASIAEYTVQLRPNATYVCWMLPGRPEGEACGE 552
 DB 497 -----TRVPKQVA-----LNGTCHLGRHHLACLCP 510
 QY 553 AHTPPAVSHNAPVTOAREGNLPLIAPALAAVLLAAVGAAYCYR---GRAMAAA 609
 DB 511 --TIDKQTSISDEWKTGK-----IIGCFVAVTLTAAAMLIVFYKLRKRHOQSTVTRA 563
 QY 610 QDKGVGPGAGPLEBEGVKYPLERPGKATGEGEALPSG 648
 DB 564 R-----TVEITQVD-EDIPATSAATAATPBG 589

RESULT 12
 US-09-957-187-10
 / Sequence 10, Application US/09957187
 / Patent No. 6863889

GENERAL INFORMATION:
 APPLICANT: Shinketsu, Richard A.
 TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES AND PROTEINS ENCODED THEREBY
 FILE REFERENCE: 15966-540 CIP
 CURRENT APPLICATION NUMBER: US/09/957,187
 PRIOR FILING DATE: 2000-09-19
 PRIOR APPLICATION NUMBER: 60/123,667
 PRIOR FILING DATE: 1999-03-09
 PRIOR APPLICATION NUMBER: 09/520,781
 PRIOR FILING DATE: 2000-03-03
 PRIOR APPLICATION NUMBER: 60/234,082
 PRIOR FILING DATE: 2000-09-20
 PRIOR APPLICATION NUMBER: 60/233,798
 PRIOR FILING DATE: 2000-09-19
 PRIOR APPLICATION NUMBER: 60/174,485
 PRIOR FILING DATE: 2000-01-04
 NUMBER OF SEQ ID NOS: 85
 SOFTWARE: PatentIn Ver. 2.1
 LENGTH: 653
 TYPE: prt
 ORGANISM: Homo sapiens
 US-09-957-187-10

Query Match 11.7%; Score 411.5; DB 2; Length 653;
 Best Local Similarity 25.0%; Pred. No. 9.1e-22;
 Matches 175; Conservative 90; Mismatches 251; Indels 183; Gaps 26;

QY 7 LLLPLLLI-----LALGPVGGCGSGCGCS-QPQVFTCAQGTTPRDVPPD 53
 DB 17 ILPPVYTLAQWILCAIAAASAGPQPCSVSCSNQFSKVVCTRRGLSEVPQGISN 76
 QY 54 TVGLVYFENGITMDAGSFAGLPGQLDLSONQIASLPSGVQPLANTSNLDLTANRLH 113
 DB 77 TRYLNLMENNIOITQADTFRLHLHLVQLGRNSIQIEVGAFNGLASTLELFDNWL 136
 QY 114 ETTNETFGLRLRLRYLKGKRIIRHIOGAFDTLDRLLEKLQDNELRALPPL--RLPR 170
 DB 137 VIPS-----GAFEYLSKLRLELWLRNPNPISIPSYAFNRVPS 172

QY 171 LLLDLSH-NSLLAEFGILD-TANVEALRLAGLQOOLDEGLFSRLRLHLDVSDNOL 228
 DB 173 LMRDLGELKLEYISEGAFEGFLFKYLNLCMCNKKMPN--LTPLVGLLEELMSGNF 230
 QY 229 ERV-PPVIRGLRGLTRRLRAGNTRIAQLRPEDLAALQOELDVNSLSQALPGDISGLF 287
 DB 231 PEIRGSGFGLSLKGLWVM-NSQVSLIRNAFDGLASIVELANLNNLSLPHD---LF 286
 QY 288 PRLRLAAA---RNPNCVCPISWFPVRESHVTLASPEETRCHFPKNAQRLLLELDY 344
 DB 287 TPLRLVLEHLHNPWNCDDILMLAWMLRE-YIPNTSTCCGCHAPMGRGRYVEVDQ 345
 QY 345 ADGCPATTTATVPTTRPVREPRALSSSLAP-----TWLSTAPA-TEAPSP 392
 DB 346 ASFOCSA-----PFIMAPRDNLNISEGRMAELKCRTPMSSVKLLPNGTVLSHASN 398
 QY 393 PSTAPPTVGPVPOP-----QDCPSTC-----LNGTCHLGRHHLACLCE 434
 DB 399 PRISVLNDGTLNFSHVLSLDTGVYTCMTNVAAGNSNAYLNGSTALNTSNY----- 451
 QY 435 GFTGLYCSEQMGQTRPSPPTVP--RPRSLTLGIEPVSPSLRVLQRYIQSSVOLR 492
 DB 432 ---SFTTGTGETTEISPEDETRKYPPTSTGYQPAYTSTVLIO----- 496
 QY 493 SLRLTYRNLGDPDKLVTLRLPASLAETVTLQLRPNATYSVCMPLGPRVEGEACGE 552
 DB 497 -----TRVVKQVA-----VATD----- 510
 QY 553 AHTPVAHSHNAPVTOAREGNLPLIAPALAAVLAAVGAAYCVR--GRAMAAA 609
 DB 511 --TTDKMGTSLDEWVKTK-----IIGCFVAVTLIAAAMLIVFYKLRKHQORSTVTA 563
 QY 610 QDKGVGPAGPLEGKVPLEPGPKATGEGEALPSG 648
 DB 564 R-----TVEIIQVD-EDIPAATSAATAAPSG 589

RESULT 13

US-09-991-053-10
 ; Sequence 10, Application US/09991053
 ; Patent No. 6942392
 ; GENERAL INFORMATION:
 ; APPLICANT: Shimketo, Richard A.
 ; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES ENCODING HUMAN SLIT-
 ; FILE OF INVENTION: MEGF- AND ROUNDABOUT-LIKE POLYPEPTIDES
 ; FILE REFERENCE: 15966-540 CON S-10
 ; CURRENT FILING DATE: 2001-11-21
 ; PRIOR APPLICATION NUMBER: USSN 60/123,667
 ; PRIOR FILING DATE: 1999-03-09
 ; PRIOR APPLICATION NUMBER: 09/520,781
 ; PRIOR FILING DATE: 2000-03-08
 ; NUMBER OF SEQ ID NOS: 81
 ; SOFTWARE: Patent Ver. 2.1
 ; SEQ ID NO 10
 ; LENGTH: 653
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-991-053-10

Query Match 11.7%; Score 411.5; DB 2; Length 653;
 Best Local Similarity 25.0%; Pred. No. 9, 1e-22;
 Matches 175; Conservative 90; Mismatches 251; Indels 183; Gaps 26;

QY 7 LLLPILL-----LALGPGVGCPSGCGCS--OPQVFTCARQGTVPADVPD 53
 DB 17 ILPPVYTLTAQWILCAIAAASAGPQNCPSVCSNPSKRVCTRRRLSEVPQGISFN 76
 QY 54 TVGLVVFENGITMLDAGSPAGLPGQLDLDSQNOIASLPSGVFOPLANLSLDTANRLH 113
 DB 77 TRYIATMERNITQMIQADTFRHLHLEVLQGLRNSIRQIVGAFNGIASLSTLELPDNL 136

QY 114 EITNEPFGRLRLRLRYLQKRNIRHIOGAFPTDLRLLEKLQDNELRALPEL---RLBR 170
 DB 137 VIPS-----GAFEYLSKRLRLRNNPIESIPSYAFNRVPS 172
 QY 171 LLLDLSH-NSLLAEFGILD-TANVEALRLAGLQOOLDEGLFSRLRLHLDVSDNOL 228
 DB 173 LMRDLGELKLEYISEGAFEGFLFKYLNLCMCNKKMPN--LTPLVGLLEELMSGNF 230
 QY 229 ERV-PPVIRGLRGLTRRLRAGNTRIAQLRPEDLAALQOELDVNSLSQALPGDISGLF 287
 DB 231 PEIRGSGFGLSLKGLWVM-NSQVSLIRNAFDGLASIVELANLNNLSLPHD---LF 286
 QY 288 PRLRLAAA---RNPNCVCPISWFPVRESHVTLASPEETRCHFPKNAQRLLLELDY 344
 DB 287 TPLRLVLEHLHNPWNCDDILMLAWMLRE-YIPNTSTCCGCHAPMGRGRYVEVDQ 345
 QY 345 ADGCPATTTATVPTTRPVREPRALSSSLAP-----TWLSTAPA-TEAPSP 392
 DB 346 ASFOCSA-----PFIMAPRDNLNISEGRMAELKCRTPMSSVKLLPNGTVLSHASN 398
 QY 393 PSTAPPTVGPVPOP-----QDCPSTC-----LNGTCHLGRHHLACLCE 434
 DB 399 PRISVLNDGTLNFSHVLSLDTGVYTCMTNVAAGNSNAYLNGSTALNTSNY----- 451
 QY 435 GFTGLYCSEQMGQTRPSPPTVP--RPRSLTLGIEPVSPSLRVLQRYIQSSVOLR 492
 DB 432 ---SFTTGTGETTEISPEDETRKYPPTSTGYQPAYTSTVLIO----- 496
 QY 493 SLRLTYRNLGDPDKLVTLRLPASLAETVTLQLRPNATYSVCMPLGPRVEGEACGE 552
 DB 497 -----TRVVKQVA-----VATD----- 510
 QY 553 AHTPVAHSHNAPVTOAREGNLPLIAPALAAVLAAVGAAYCVR--GRAMAAA 609
 DB 511 --TTDKMGTSLDEWVKTK-----IIGCFVAVTLIAAAMLIVFYKLRKHQORSTVTA 563
 QY 610 QDKGVGPAGPLEGKVPLEPGPKATGEGEALPSG 648
 DB 564 R-----TVEIIQVD-EDIPAATSAATAAPSG 589

RESULT 14

US-09-520-781-12
 ; Sequence 12, Application US/09520781
 ; Patent No. 6689866
 ; GENERAL INFORMATION:
 ; APPLICANT: Shimketo, Richard A.
 ; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES AND PROTEINS ENCODED THEREBY
 ; FILE REFERENCE: 15966-540 NO. 6689866 Polynucleotides
 ; CURRENT FILING DATE: 2000-03-08
 ; PRIOR APPLICATION NUMBER: USSN 60/123,667
 ; PRIOR FILING DATE: 1999-03-09
 ; NUMBER OF SEQ ID NOS: 81
 ; SOFTWARE: Patent Ver. 2.0
 ; SEQ ID NO 12
 ; LENGTH: 590
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-520-781-12

Query Match 11.6%; Score 407.5; DB 2; Length 590;
 Best Local Similarity 27.6%; Pred. No. 1, 6e-21;
 Matches 146; Conservative 73; Mismatches 207; Indels 103; Gaps 19;

QY 7 LLLPILL-----LALGPGVGCPSGCGCS--OPQVFTCARQGTVPADVPD 53
 DB 17 ILPPVYTLTAQWILCAIAAASAGPQNCPSVCSNPSKRVCTRRRLSEVPQGISFN 76
 QY 54 TVGLVVFENGITMLDAGSPAGLPGQLDLDSQNOIASLPSGVFOPLANLSLDTANRLH 113
 DB 77 TRYIATMERNITQMIQADTFRHLHLEVLQGLRNSIRQIVGAFNGIASLSTLELPDNL 136

GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: February 16, 2006, 23:13:04 ; Search time 76 Seconds
(without alignments)
3699.989 Million cell updates/sec

Title: US-10-063-599-16

Sequence: 1 MCSRVPLLLPLLLALGPG.....PLMGPPGGLQSPHAKPYI 673

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA Main:*

- 1: /cgn2_6/prodata/1/pubppaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/prodata/1/pubppaa/US08_PUBCOMB.pep.*
- 3: /cgn2_6/prodata/1/pubppaa/US09_PUBCOMB.pep.*
- 4: /cgn2_6/prodata/1/pubppaa/US10A_PUBCOMB.pep.*
- 5: /cgn2_6/prodata/1/pubppaa/US10B_PUBCOMB.pep.*
- 6: /cgn2_6/prodata/1/pubppaa/US11_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	3520	100.0	673	US-09-989-722-52	Sequence 52, Appl
2	3520	100.0	673	US-09-782-980-59	Sequence 59, Appl
3	3520	100.0	673	US-09-989-723-52	Sequence 52, Appl
4	3520	100.0	673	US-09-989-727-52	Sequence 52, Appl
5	3520	100.0	673	US-09-989-731-52	Sequence 52, Appl
6	3520	100.0	673	US-09-989-732-52	Sequence 52, Appl
7	3520	100.0	673	US-09-989-732-52	Sequence 52, Appl
8	3520	100.0	673	US-09-989-732-52	Sequence 52, Appl
9	3520	100.0	673	US-09-989-732-52	Sequence 52, Appl
10	3520	100.0	673	US-09-989-732-52	Sequence 52, Appl
11	3520	100.0	673	US-09-989-732-52	Sequence 52, Appl
12	3520	100.0	673	US-09-989-732-52	Sequence 52, Appl
13	3520	100.0	673	US-09-989-732-52	Sequence 52, Appl
14	3520	100.0	673	US-09-989-732-52	Sequence 52, Appl
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21	3520	100.0	673	US-09-989-732-52	Sequence 52, Appl
22	3520	100.0	673	US-09-989-732-52	Sequence 52, Appl
23	3520	100.0	673	US-09-989-732-52	Sequence 52, Appl
24	3520	100.0	673	US-09-989-732-52	Sequence 52, Appl
25	3520	100.0	673	US-09-989-732-52	Sequence 52, Appl
26	3520	100.0	673	US-09-989-732-52	Sequence 52, Appl
27	3520	100.0	673	US-09-989-732-52	Sequence 52, Appl

ALIGNMENTS

28	3520	100.0	673	US-09-997-428-52	Sequence 52, Appl
29	3520	100.0	673	US-09-997-666-52	Sequence 52, Appl
30	3520	100.0	673	US-09-990-438-52	Sequence 52, Appl
31	3520	100.0	673	US-09-990-562-52	Sequence 52, Appl
32	3520	100.0	673	US-09-990-711-52	Sequence 52, Appl
33	3520	100.0	673	US-09-989-726-52	Sequence 52, Appl
34	3520	100.0	673	US-09-988-156-52	Sequence 52, Appl
35	3520	100.0	673	US-09-990-437-52	Sequence 52, Appl
36	3520	100.0	673	US-09-991-157-52	Sequence 52, Appl
37	3520	100.0	673	US-09-997-514-52	Sequence 52, Appl
38	3520	100.0	673	US-09-997-573-52	Sequence 52, Appl
39	3520	100.0	673	US-09-991-172-52	Sequence 52, Appl
40	3520	100.0	673	US-09-990-726-52	Sequence 52, Appl
41	3520	100.0	673	US-09-997-559-52	Sequence 52, Appl
42	3520	100.0	673	US-09-997-601-52	Sequence 52, Appl
43	3520	100.0	673	US-09-990-443-52	Sequence 52, Appl
44	3520	100.0	673	US-09-991-854-52	Sequence 52, Appl
45	3520	100.0	673	US-09-997-628-52	Sequence 52, Appl

RESULT 1
US-09-989-722-52
Sequence 52, Application US/09989722.
Patent No. US20020072067A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gertlesen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, V. Christopher
APPLICANT: Gueney, Auelin L.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730PIC63
CURRENT APPLICATION NUMBER: US/09/989,722
CURRENT FILING DATE: 2001-11-19
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/075945
PRIOR FILING DATE: 1998-02-25
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28

PRIOR FILING DATE:	1998-06-17
PRIOR APPLICATION NUMBER:	60/089653
PRIOR FILING DATE:	1998-06-17
PRIOR APPLICATION NUMBER:	60/089801
PRIOR FILING DATE:	1998-06-18
PRIOR APPLICATION NUMBER:	60/089907
PRIOR FILING DATE:	1998-06-18
PRIOR APPLICATION NUMBER:	60/089908
PRIOR FILING DATE:	1998-06-18
PRIOR APPLICATION NUMBER:	60/089947
PRIOR FILING DATE:	1998-06-19
PRIOR APPLICATION NUMBER:	60/089948
PRIOR FILING DATE:	1998-06-19
PRIOR APPLICATION NUMBER:	60/089952
PRIOR FILING DATE:	1998-06-19
PRIOR APPLICATION NUMBER:	60/090246
PRIOR FILING DATE:	1998-06-22
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PRIOR FILING DATE:	1998-06-22
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PRIOR FILING DATE:	1998-06-22
PRIOR APPLICATION NUMBER:	60/090349
PRIOR FILING DATE:	1998-06-23
PRIOR APPLICATION NUMBER:	60/090355
PRIOR FILING DATE:	1998-06-23
PRIOR APPLICATION NUMBER:	60/090429
PRIOR FILING DATE:	1998-06-24
PRIOR APPLICATION NUMBER:	60/090431
PRIOR FILING DATE:	1998-06-24
PRIOR APPLICATION NUMBER:	60/090435
PRIOR FILING DATE:	1998-06-24
PRIOR APPLICATION NUMBER:	60/090444
PRIOR FILING DATE:	1998-06-24
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PRIOR FILING DATE:	1998-07-02
PRIOR APPLICATION NUMBER:	60/091626
PRIOR FILING DATE:	1998-07-02
PRIOR APPLICATION NUMBER:	60/091633
PRIOR FILING DATE:	1998-07-02

PRIOR APPLICATION NUMBER: 60/091978
 PRIOR FILING DATE: 1998-07-07
 PRIOR APPLICATION NUMBER: 60/091982
 PRIOR FILING DATE: 1998-07-07
 PRIOR APPLICATION NUMBER: 60/092182
 PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 3520; DB 3; Length 673;
 Best Local Similarity 100.0%; Pred. No. 8e-220;
 Matches 673; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	MCSRPLLLPLLLLLALGPVGGCGSCGQCSQPTVFCTARQGTTPRDPVPPDVTGLVYF	60
DB	1	MCSRPLLLPLLLLLALGPVGGCGSCGQCSQPTVFCTARQGTTPRDPVPPDVTGLVYF	60
QY	61	ENGITMDAGSPAGLPGQLDLSONQIASLPSGVFOPLANSNDLTANRLHEITNETF	120
DB	61	ENGITMDAGSPAGLPGQLDLSONQIASLPSGVFOPLANSNDLTANRLHEITNETF	120
QY	121	GLRLRLERYGKRIIRHIOGAFDTLDRLELKLQDNELRALPLRLPRLLLDLSHNS	180
DB	121	GLRLRLERYGKRIIRHIOGAFDTLDRLELKLQDNELRALPLRLPRLLLDLSHNS	180
QY	181	LIALEPGILDTANVEALRLAGLQDLDEGLFSRLRNHLDLVDSDNQERVPVIRGLRG	240
DB	181	LIALEPGILDTANVEALRLAGLQDLDEGLFSRLRNHLDLVDSDNQERVPVIRGLRG	240
QY	241	LTRLRLAGNTRIAQLRPEDLAGLALQELDVSNLSLOALPGDLGSLFRLRLAAARNPF	300
DB	241	LTRLRLAGNTRIAQLRPEDLAGLALQELDVSNLSLOALPGDLGSLFRLRLAAARNPF	300
QY	301	NCVCPLSWFGPMVRESHTLASPEETRCHFPKXNAGRLLELDVADFCCPATTTATVPT	360
DB	301	NCVCPLSWFGPMVRESHTLASPEETRCHFPKXNAGRLLELDVADFCCPATTTATVPT	360
QY	361	TRPVREPTALSSSLAPFWLSPTATAPATAPSPAPPTVGPVPODCCPSTCINGGTC	420
DB	361	TRPVREPTALSSSLAPFWLSPTATAPATAPSPAPPTVGPVPODCCPSTCINGGTC	420
QY	421	HLGTRHHLACLCPBGFTGLYCSCQOGTRPSPTVTPRPPRSLTGLIEPVSTSLRVGL	480
DB	421	HLGTRHHLACLCPBGFTGLYCSCQOGTRPSPTVTPRPPRSLTGLIEPVSTSLRVGL	480
QY	481	QRYLOGSSVQRLSLRLTRNLSGPKRLVTLRLPASLAEYTTQLRPNATVSCVMPGLGP	540
DB	481	QRYLOGSSVQRLSLRLTRNLSGPKRLVTLRLPASLAEYTTQLRPNATVSCVMPGLGP	540
QY	541	GRVPGGERACGEAHTPPAVHSNHAFTOAREGNLPLLTAPALAAVLLAALVGAAYCVR	600
DB	541	GRVPGGERACGEAHTPPAVHSNHAFTOAREGNLPLLTAPALAAVLLAALVGAAYCVR	600
QY	601	RGRAAAAADQGVGPGAGLEEGVAVLEPPGKATEGGEALPSGSECEVPLMGPPG	660
DB	601	RGRAAAAADQGVGPGAGLEEGVAVLEPPGKATEGGEALPSGSECEVPLMGPPG	660
QY	661	PGLOSPHLAKPYI 673	
DB	661	PGLOSPHLAKPYI 673	

RESULT 2
 US-09-782-980-59
 Sequence 59, Application US/09782980
 Patent No. US20020072089A1

GENERAL INFORMATION:

APPLICANT: Khodadoust, Mehran M.
 APPLICANT: Macbeth, Kyle J.
 APPLICANT: Busfield, Samantha J.
 APPLICANT: McCarthy, Sean A.
 APPLICANT: Holtzman, Douglas A.
 APPLICANT: Gu, Wei
 APPLICANT: White, David
 APPLICANT: Pan, Yang

TITLE OF INVENTION: NOVEL ITALY, LOR-2, STRIPE, TRASH, BDPF, LRSG, AND
 TITLE OF INVENTION: STREET PROTEIN AND NUCLEIC ACID MOLECULES AND USES
 FILE REFERENCE: NMI-121CP
 CURRENT APPLICATION NUMBER: US/09/782,980
 CURRENT FILING DATE: 2001-02-13
 PRIOR APPLICATION NUMBER: PCT/US00/02125
 PRIOR FILING DATE: 2000-01-27
 PRIOR APPLICATION NUMBER: 09/448,076
 PRIOR FILING DATE: 1999-11-23
 PRIOR APPLICATION NUMBER: 09/276,400
 PRIOR FILING DATE: 1999-03-25
 PRIOR APPLICATION NUMBER: 60/117,580
 PRIOR FILING DATE: 1999-01-27
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 PRIOR FILING DATE: 1998-05-29
 PRIOR APPLICATION NUMBER: 09/672,721
 PRIOR FILING DATE: 2000-09-28
 PRIOR APPLICATION NUMBER: 09/049,799
 PRIOR FILING DATE: 1998-03-27
 NUMBER OF SEQ ID NOS: 176
 SOFTWARE: Patent In Ver. 2.0
 SEQ ID NO 59
 LENGTH: 673
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-782-980-59

Query Match 100.0%; Score 3520; DB 3; Length 673;
 Best Local Similarity 100.0%; Pred. No. 8e-220;
 Matches 673; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	MCSRPLLLPLLLLLALGPVGGCGSCGQCSQPTVFCTARQGTTPRDPVPPDVTGLVYF	60
DB	1	MCSRPLLLPLLLLLALGPVGGCGSCGQCSQPTVFCTARQGTTPRDPVPPDVTGLVYF	60
QY	61	ENGITMDAGSPAGLPGQLDLSONQIASLPSGVFOPLANSNDLTANRLHEITNETF	120
DB	61	ENGITMDAGSPAGLPGQLDLSONQIASLPSGVFOPLANSNDLTANRLHEITNETF	120
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DB	121	GLRLRLERYGKRIIRHIOGAFDTLDRLELKLQDNELRALPLRLPRLLLDLSHNS	180
QY	181	LIALEPGILDTANVEALRLAGLQDLDEGLFSRLRNHLDLVDSDNQERVPVIRGLRG	240
DB	181	LIALEPGILDTANVEALRLAGLQDLDEGLFSRLRNHLDLVDSDNQERVPVIRGLRG	240
QY	241	LTRLRLAGNTRIAQLRPEDLAGLALQELDVSNLSLOALPGDLGSLFRLRLAAARNPF	300
DB	241	LTRLRLAGNTRIAQLRPEDLAGLALQELDVSNLSLOALPGDLGSLFRLRLAAARNPF	300
QY	301	NCVCPLSWFGPMVRESHTLASPEETRCHFPKXNAGRLLELDVADFCCPATTTATVPT	360
DB	301	NCVCPLSWFGPMVRESHTLASPEETRCHFPKXNAGRLLELDVADFCCPATTTATVPT	360
QY	361	TRPVREPTALSSSLAPFWLSPTATAPATAPSPAPPTVGPVPODCCPSTCINGGTC	420
DB	361	TRPVREPTALSSSLAPFWLSPTATAPATAPSPAPPTVGPVPODCCPSTCINGGTC	420

Qy 421 HLGTRHHLCLCPBEGTGLXCEBOMQGRPSPTPTVPPRPSRLTYGIEPVSPTSRLVGL 480
Db 421 HLGTRHHLCLCPBEGTGLXCEBOMQGRPSPTPTVPPRPSRLTYGIEPVSPTSRLVGL 480
Qy 481 QRYLOGSSVQLBSRLTYRNLGSPDKRLVTLRLPASLAETVTLQRPNATYSVCVMPDGP 540
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Qy 541 GAVPEEEACGEHNTPPAVHSNAPVTQAREGTLPLIIPALAAVLLAAALAAVGAAYCVR 600
Db 541 GAVPEEEACGEHNTPPAVHSNAPVTQAREGTLPLIIPALAAVLLAAALAAVGAAYCVR 600
Qy 601 RGRMAAAADKQGVPGAGPLEEGVKVPLEBGPATGEGGALPSSGSECEVPLMGPPG 660
Db 601 RGRMAAAADKQGVPGAGPLEEGVKVPLEBGPATGEGGALPSSGSECEVPLMGPPG 660
Qy 661 PGLQSPHAKPYI 673
Db 661 PGLQSPHAKPYI 673

RESULT 3
US-09-989-723-52
Sequence 52, Application US/09989723
Patent No. US20020072092A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gertsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurley, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P27301C62
CURRENT APPLICATION NUMBER: US/09/989, 723
CURRENT FILING DATE: 2001-11-19
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PRIOR FILING DATE: 1998-06-17

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; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978

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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match      100.0%; Score 3520; DB 3; Length 673;
Best Local Similarity 100.0%; Pred. No. 8e-220;
Matches 673; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 MCSRPVLLPLLLALAGVQGCPSGCGSQOPOTVFCAROGTVPRDVPDVTGLVVF 60
DB      1 MCSRPVLLPLLLALAGVQGCPSGCGSQOPOTVFCAROGTVPRDVPDVTGLVVF 60
QY      61 ENGITMLDAGSFAGLPGQLDLDSQNOIASLPSGVFOPLANLSNLDLTANRLHEITNETF 120
DB      61 ENGITMLDAGSFAGLPGQLDLDSQNOIASLPSGVFOPLANLSNLDLTANRLHEITNETF 120
QY      121 RGLRLERLYGKXNRIRHIOGAPDTLDRLLEKLQONELRALPPLRLPRLLLDLSHNS 180
DB      121 RGLRLERLYGKXNRIRHIOGAPDTLDRLLEKLQONELRALPPLRLPRLLLDLSHNS 180
QY      181 LLALRPGITDANVEALRLAGLQQLDEGLFSRLRNLDHSDVSDNOLEVPVYIRGRG 240
DB      181 LLALRPGITDANVEALRLAGLQQLDEGLFSRLRNLDHSDVSDNOLEVPVYIRGRG 240
QY      241 LTRRLAGNTRIAOLRPEDLAGLALQELDVSNLSLQALPGDLGSLFRLRLAARNPF 300
DB      241 LTRRLAGNTRIAOLRPEDLAGLALQELDVSNLSLQALPGDLGSLFRLRLAARNPF 300
QY      301 NCVCPLSWFGWVRESHYTLASPBETRGHFPKXNAGRLLELDVADPCCPATTTATVPT 360
DB      301 NCVCPLSWFGWVRESHYTLASPBETRGHFPKXNAGRLLELDVADPCCPATTTATVPT 360
QY      361 TRPVVREPTALSSSLAFTWLSPTAPATEAPSPSTAPVTPVPODCCPSTCLNGSTC 420
DB      361 TRPVVREPTALSSSLAFTWLSPTAPATEAPSPSTAPVTPVPODCCPSTCLNGSTC 420
QY      421 HLGTRHMLACLCPGFTGLYCESQMGQTRDSPPTVTPRPRSLTLGIEPVSPISLRVGL 480
DB      421 HLGTRHMLACLCPGFTGLYCESQMGQTRDSPPTVTPRPRSLTLGIEPVSPISLRVGL 480
QY      481 QRYIQSSVQVRLRLTYRNLSCGDKLVTLRLPASLAEVTVTLQRPVATYSVCMPGPG 540
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QY      541 GRVPEGEACGEAHTPPAVHSNHAFTVQAREGNLPLLIAPALAAVLLAALAAVGAAYCVR 600
DB      541 GRVPEGEACGEAHTPPAVHSNHAFTVQAREGNLPLLIAPALAAVLLAALAAVGAAYCVR 600
QY      601 RGRMAAAAQDKGVGPAGPLLEGVVPLEPGPKATEGGGEALPSGSECEVPLMGFPG 660
DB      601 RGRMAAAAQDKGVGPAGPLLEGVVPLEPGPKATEGGGEALPSGSECEVPLMGFPG 660
QY      661 PGLQSPHLAKPYI 673
DB      661 PGLQSPHLAKPYI 673

RESULT 4
US-09-989-279-52
; Sequence 52, Application US/09989279
; Patent No. US20020072496A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Deenoyers, Luc
; APPLICANT: Batou, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.

```

APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Auecin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730PIC56
CURRENT FILING DATE: 2001-11-19
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
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36 PRIOR FILING DATE: 1998-07-02
37 PRIOR APPLICATION NUMBER: 60/091978
38 PRIOR FILING DATE: 1998-07-07
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40 PRIOR FILING DATE: 1998-07-07
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42 PRIOR FILING DATE: 1998-07-09

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Db	1	MCSRVPLLLPLLLLLALPGVQGCPSGCCSQSPQTVFCTARCGITVPRDVPEDTVGLYVF	60	
QY	61	ENGITMLDAGSPAGLPGIQLDLSQNIASLPSGVFQPLANISNDLTANRLHEITNETF	120	
Db	61	ENGITMLDAGSPAGLPGIQLDLSQNIASLPSGVFQPLANISNDLTANRLHEITNETF	120	
QY	121	RGLRLRLRYLGGKRIRIRIOPGAPPTLDRLLLEKIQDNEIRALPRLRLPRLILLDLSNS	180	
Db	121	RGLRLRLRYLGGKRIRIRIOPGAPPTLDRLLLEKIQDNEIRALPRLRLPRLILLDLSNS	180	
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Db	181	LILAEPGLDPANVEALRLAGLGIQQLDEGLFSRLRNHLDDVSNOLERVVPVIRGARG	240	
QY	241	LTRLRLGNTIRIAQLRPEDLAGLALQELIDVSNISLQALPGDISGLPRLRLILAAARNPF	300	
Db	241	LTRLRLGNTIRIAQLRPEDLAGLALQELIDVSNISLQALPGDISGLPRLRLILAAARNPF	300	
QY	301	NCVCPSLWFGWVWESHVTLASPESTRCHFPPKNAGRLLLELDVADFSCPATTTATVPT	360	
Db	301	NCVCPSLWFGWVWESHVTLASPESTRCHFPPKNAGRLLLELDVADFSCPATTTATVPT	360	
QY	361	TRPVVREPTALISSSLAPTWLSPPTAPATAAPSPSTAPPTVGVFVPODCCPSTCLNGGTC	420	

Dd	361	TRPVVRBPETLAASSSLAPMLSPATAAPASPPSTAPPAVVGVPQDQDPPSFCILNGCTC	480
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QY	481	QRYLYGSSVQLRSLRLTYRNLISGDPKRLVTLRLPASLAEYVYVTLQLRPNATYYSVCNPLGP	540
Dd	481	QRYLYGSSVQLRSLRLTYRNLISGDPKRLVTLRLPASLAEYVYVTLQLRPNATYYSVCNPLGP	540
QY	541	GRVPEGEACCEAHPRPVAVSHNAHVYTOARBEGLPLLLAPALAAVLLALAAVGAAYCYR	600
Dd	541	GRVPEGEACCEAHPRPVAVSHNAHVYTOARBEGLPLLLAPALAAVLLALAAVGAAYCYR	600
QY	601	RGRAAAAAADKQGVGPAGPLELEGVKVPLEPGKATEGGSEALPSGSECEVPLMGFPQ	660
Dd	601	RGRAAAAAADKQGVGPAGPLELEGVKVPLEPGKATEGGSEALPSGSECEVPLMGFPQ	660
QY	661	PGLOSPLHAKPYI 673	
Dd	661	PGLOSPLHAKPYI 673	

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1      RESULT 5
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3      Sequence 52, Application US/09989727
4      Patent No. US20020072497A1
5      GENERAL INFORMATION:
6      APPLICANT: Ashkenazi, Avi J.
7      APPLICANT: Baker, Kevin P.
8      APPLICANT: Botstein, David
9      APPLICANT: Deans, Luc
10     APPLICANT: Batson, Dan L.
11     APPLICANT: Ferrara, Napoleone
12     APPLICANT: Fong, Sherman
13     APPLICANT: Gerber, Hanspeter
14     APPLICANT: Gerritsen, Mary E.
15     APPLICANT: Goddard, Audrey
16     APPLICANT: Godowski, Paul J.
17     APPLICANT: Grimaldi, J. Christopher
18     APPLICANT: Gurney, Austin L.
19     APPLICANT: Kijavich, Ivar J.
20     APPLICANT: Napier, Mary A.
21     APPLICANT: Pan, James
22     APPLICANT: Paoni, Nicholas F.
23     APPLICANT: Roy, Margaret Ann
24     APPLICANT: Stewart, Timothy A.
25     APPLICANT: Tumas, Daniel
26     APPLICANT: Watanabe, Colin K.
27     APPLICANT: Williams, P. Mickey
28     APPLICANT: Wood, William I.
29     APPLICANT: Zhang, Zemin
30     TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
31     TITLE OF INVENTION: Acids Encoding the Same
32     FILE REFERENCE: P27301C65
33     CURRENT APPLICATION NUMBER: US/09/989,727
34     CURRENT FILING DATE: 2001-11-19
35     PRIOR APPLICATION NUMBER: 60/049787
36     PRIOR FILING DATE: 1997-06-16
37     PRIOR APPLICATION NUMBER: 60/062250
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46     PRIOR FILING DATE: 1998-02-25
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50     PRIOR FILING DATE: 1998-04-28

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;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
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;; PRIOR FILING DATE: 1998-07-09

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DB 361 TRPVREPTALSSSLAPTWLSPAPATEAPSPSTAPPTVGPVPOQDPPSTCLNGGTC 420
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;; APPLICANT: Ashkenazi, Avi J.
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;; APPLICANT: Botstein, David
;; APPLICANT: Desnoyers, Luc
;; APPLICANT: Eaton, Dan L.
;; APPLICANT: Ferrara, Napoleone
;; APPLICANT: Fong, Sherman
;; APPLICANT: Gerber, Hanspeter

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;; APPLICANT: Goddard, Audrey
;; APPLICANT: Godowski, Paul J.
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;; APPLICANT: Williams, P. Mickey
;; APPLICANT: Wood, William I.
;; APPLICANT: Zhang, Zhen
;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;; FILE REFERENCE: P2730P1C70
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Query Match 100.0%; Score 3520; DB 3; Length 673;
 Best Local Similarity 100.0%; Pred. No. 8e-220;
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 DB 241 LTRRLAGNTRIAQIRPEDLAGLAALQELDVSNLSLOALPGDLSGLFPRRLAARNP 300
 QY 301 NCVCPLSPFGWVAWESHYTLASPEETCHFPKXAGRLLELDVADRECCPATTTATVPT 360
 DB 301 NCVCPLSPFGWVAWESHYTLASPEETCHFPKXAGRLLELDVADRECCPATTTATVPT 360
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Qy 661 PGLQSPHLAKPYI 673
Db 661 PGLQSPHLAKPYI 673

RESULT 7
US-09-989-732-52
Sequence 52, Application US/09989732
Patent No. US20020123463A1

GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Deenoyers, Luc
APPLICANT: Batton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
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APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C57
CURRENT APPLICATION NUMBER: US/09/989,732
CURRENT FILING DATE: 2001-11-19
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PRIOR FILING DATE: 1998-07-02
 PRIOR APPLICATION NUMBER: 60/091978
 PRIOR FILING DATE: 1998-07-07
 PRIOR APPLICATION NUMBER: 60/091982
 PRIOR FILING DATE: 1998-07-07
 PRIOR APPLICATION NUMBER: 60/092182
 PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 3520; DB 3; Length 673;
 Best Local Similarity 100.0%; Pred. No. 8e-220;
 Matches 673; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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 DB 61 ENGITMLDAGSFAGLPGQLDLDSNONIASPSGVPOPLANLSNLDLTANLHEITNETF 120
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 Sequence 52, Application US/09991073
 Patent No. US20020127576A1
 GENERAL INFORMATION:
 APPLICANT: Ashkenazi, Avi J.
 APPLICANT: Baker, Kevin P.
 APPLICANT: Botstein, David
 APPLICANT: Desnoyers, Luc
 APPLICANT: Eaton, Dan L.
 APPLICANT: Ferrara, Napoleone
 APPLICANT: Fong, Sherman

APPLICANT: Gerber, Hanspeter
APPLICANT: Gerltsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
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APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730P1C15
CURRENT APPLICATION NUMBER: US/09/991,073
PRIOR FILING DATE: 2001-11-14
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Query Match 100.0%; Score 3520; DB 3; Length 673;
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Matches 673; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Sequence 52, Application US/09990442
Patent No. US20020132252A1
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APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Deenoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
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APPLICANT: Tumes, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C8
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PRIOR FILING DATE: 1998-03-20

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PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
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PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 3520; DB 3; Length 673;
Best Local Similarity 100.0%; Pred. No. 8e-220;
Matches 673; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 61 ENGITMDAGSPAGIPGQILDLSONQASIPSGVFOPLANLSNLDLTANLHEITNTFT 120
QY 121 RGLRLRLTYGKRRIRIRIQGAFPTDLRLLEKLQDNELRALPELRIPRLLLDLSHNS 180
DB 121 RGLRLRLTYGKRRIRIRIQGAFPTDLRLLEKLQDNELRALPELRIPRLLLDLSHNS 180
QY 121 RGLRLRLTYGKRRIRIRIQGAFPTDLRLLEKLQDNELRALPELRIPRLLLDLSHNS 180
DB 121 RGLRLRLTYGKRRIRIRIQGAFPTDLRLLEKLQDNELRALPELRIPRLLLDLSHNS 180
QY 181 LLALBPGILDTANYEALRLAGLGLQQLDEGLFSRLRNHLDVSDNQLEKRVPPVIRGLRG 240
DB 181 LLALBPGILDTANYEALRLAGLGLQQLDEGLFSRLRNHLDVSDNQLEKRVPPVIRGLRG 240
QY 241 LTRRLAGNTRIALQRPEDLAGLALQELDVSNLSIALPGDLGLFRLRLLLAARNPF 300
DB 241 LTRRLAGNTRIALQRPEDLAGLALQELDVSNLSIALPGDLGLFRLRLLLAARNPF 300
QY 301 NCVCPLSWFGPWWVESHVTLASPESTRCHFPKXNAGRLLELDYADFQCPATTTATVPT 360
DB 301 NCVCPLSWFGPWWVESHVTLASPESTRCHFPKXNAGRLLELDYADFQCPATTTATVPT 360

QY 361 TRPVREPTALSSSLAFTWLSPTAPATBAAPSPSTAPPTTGVPOPODCEPSTCLNGTTC 420
DB 361 TRPVREPTALSSSLAFTWLSPTAPATBAAPSPSTAPPTTGVPOPODCEPSTCLNGTTC 420
QY 421 HLGTRHHLACLCEPGEFTGLYCSESOQGTSPPTPVTPPSPSLNLGIEPVSTSLRVGL 480
DB 421 HLGTRHHLACLCEPGEFTGLYCSESOQGTSPPTPVTPPSPSLNLGIEPVSTSLRVGL 480
QY 481 QRYLQSSVQLASRLTYTNLSPDRLTYLRLPALAEVTYQLAPNATYSVCWPLDP 540
DB 481 QRYLQSSVQLASRLTYTNLSPDRLTYLRLPALAEVTYQLAPNATYSVCWPLDP 540
QY 541 GRVPEGEACGEAHTPPAVSHNAPVTOAREGNLPLILAPALAAVLLAALAAVGAAYCVR 600
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RESULT 11
US-09-993-604-52
Sequence 52, Application US/09993604
Patent No. US20020137075A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferreira, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerltzen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Grimaldi, Paul J.
APPLICANT: Guirney, Austin L.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C25
CURRENT APPLICATION NUMBER: US/09/993,604
PRIOR FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
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 PRIOR FILING DATE: 1998-07-07
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 PRIOR FILING DATE: 1998-07-09

Query Match 100.0% Score 3520; DB 3; Length 673;
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 QY 181 LIALBPGILDITANVEALRLAGLGLQOLDEGLFSRLRNHLDLVDSDNQLERVPVIRGLRG 240
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 QY 241 LRLRLAGNTRIAOLRPEDLAGLALQELDVNSLSIALPGULSGIFPLRLILAAARNPF 300
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 QY 301 NCVCPLSMFGPVRSHVTLASPEETRCHFPKMGRLLELDYADFGCPATTTTATVPT 360
 DB 301 NCVCPLSMFGPVRSHVTLASPEETRCHFPKMGRLLELDYADFGCPATTTTATVPT 360
 QY 361 TRPVVREPTALSSSLAPTLSPAPATEASPPSTAPPTVGPVPOQDCPSTCLNGGTC 420
 DB 361 TRPVVREPTALSSSLAPTLSPAPATEASPPSTAPPTVGPVPOQDCPSTCLNGGTC 420
 QY 421 HLGTRHHLACLCPEBFTGLYCESOMGCGTRBPVTVPTRPPSTLGLIEPVPTSLRVGL 480
 DB 421 HLGTRHHLACLCPEBFTGLYCESOMGCGTRBPVTVPTRPPSTLGLIEPVPTSLRVGL 480
 QY 481 QRYLOGSSVQLRSLRLTYRNLSGPKRLVTLRLPASLAEYVTQLRPNATYVCVMPPLGP 540
 DB 481 QRYLOGSSVQLRSLRLTYRNLSGPKRLVTLRLPASLAEYVTQLRPNATYVCVMPPLGP 540
 QY 541 GVPGEGBACGAHTPPAVSHNAPVTOAREGNLPLLIAPALAAVLAALAAVGAAYCYVR 600
 DB 541 GVPGEGBACGAHTPPAVSHNAPVTOAREGNLPLLIAPALAAVLAALAAVGAAYCYVR 600
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 DB 661 PGLQSPFLAKPYI 673

RESULT 12

US-09-990-456-52

Sequence 52, Application US/09990456

Patent No. US20020137890A1

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi J.

APPLICANT: Baker, Kevin P.

APPLICANT: Botstein, David

APPLICANT: Desnoyers, Luc

APPLICANT: Eaton, Dan L.

APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerltzen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P27301C22
CURRENT APPLICATION NUMBER: US/09/990,456
PRIOR FILING DATE: 2001-11-14
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Query Match 100.0%; Score 3520; DB 3; Length 673;

Best Local Similarity 100.0%; Pred. No. 8e-220; Indels 0; Gaps 0;

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Matches 673; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 241 LTRLRLAGNTRIAOLRPEDLAGLAALOEIVNLSIOALPGDLSGFPLRLLLAARNF 300
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QY 481 QRYLOGSSVOLRLSLRLTRNLSGPDKRLVTTLRLPASLAETVTOURPNATVSCVMPGLP 540
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QY 541 GRVPEGEACGBAHTPPVHNSHAPVTOARSGNPLILAPALAAVLLAALAAVGAAYCYR 600
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RESULT 13
US-09-989-721-52
Sequence 52, Application US/09989721
Patent No. US20020142961A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gertlisen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austen L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
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APPLICANT: Stewart, Timothy A.
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APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zenlin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C55
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Db	1	MCSRVLPLPLLLLLALGPGVQGC8GGCGCPQCTCTAAGCTTVRDVDPDVGLVYF	60
QY	61	ENGIITMLDAGSFAGLPGQLDLSONQIASLPSGVFQPLANLSNLDITANRLHEITNETF	120
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Db 361 TRPVVREPTALSSSLAPTWLSTPAPATEAPSPSTAPPTVGVPOPODCPSTCLNGTIC 420
Qy 421 HLGTRHMLACLCPEBGTGLYCESQMGQGTREBPTPVTPPPPSLTGLIEPVSTLRGL 480
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Qy 481 ORYLOGSSVOLRSALTITRNLSGPKRLVTLRLPASIAEYTTOLRPNATYVCVMPGPG 540
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Qy 541 GRVPEGEACGEAHTPPAVSHNAFVTOARBNLPLLIAPALAAVLAALAAVGAAYCVR 600
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Qy 601 RGRMAAAADKQGVPGAGPTELEGVVPLEPFGKATTEGGGALPSGSECEVPLMGFPG 660
Db 601 RGRMAAAADKQGVPGAGPTELEGVVPLEPFGKATTEGGGALPSGSECEVPLMGFPG 660
Qy 661 PGLQSPHLAKPYI 673
Db 661 PGLQSPHLAKPYI 673

RESULT 15
US-09-989-293A-52
Sequence 52, Application US/09989293A
Patent No. US2002017716A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Deenoyers, Luc
APPLICANT: Batson, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gertlesen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C66
CURRENT APPLICATION NUMBER: US/09/989,293A
CURRENT FILING DATE: 2001-11-20
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
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PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/075945

PRIOR FILING DATE: 1998-02-25
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/083322
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PRIOR FILING DATE: 1998-07-02
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 PRIOR FILING DATE: 1998-07-02
 PRIOR APPLICATION NUMBER: 60/091978
 PRIOR FILING DATE: 1998-07-07
 PRIOR APPLICATION NUMBER: 60/091982
 PRIOR FILING DATE: 1998-07-07
 PRIOR APPLICATION NUMBER: 60/092182
 PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 3520; DB 3; Length 673;
 Best Local Similarity 100.0%; Pred. No. 8e-220;
 Matches 673; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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 1 MCSRVPLLLPLLLALPGVQCGSCQCSQPQVFCARQGTTPVDRVDPDTGVLVYF 60
 61 ENGITWLDAGSFAGLPGLQLDLISQNOIASIPSGVFPPLANTSNLDTANRLHETWTF 120
 61 ENGITWLDAGSFAGLPGLQLDLISQNOIASIPSGVFPPLANTSNLDTANRLHETWTF 120
 121 RGLRLRLVYGRKRIRHIOGAFDTLRLLEKLQDNEIRALPLRLPLLLDLSDHNS 180
 121 RGLRLRLVYGRKRIRHIOGAFDTLRLLEKLQDNEIRALPLRLPLLLDLSDHNS 180
 181 LLALEPGILDYANVEALRLAGLGLQQLDEGLFSRLRLHDLVDSDNQLERVPIRGLRG 240
 181 LLALEPGILDYANVEALRLAGLGLQQLDEGLFSRLRLHDLVDSDNQLERVPIRGLRG 240
 241 LTRRLAQNTRIAQRPEDLAGLAALQELDVSNLSLOALRGDLSGLPRRLRLAANRP 300
 241 LTRRLAQNTRIAQRPEDLAGLAALQELDVSNLSLOALRGDLSGLPRRLRLAANRP 300
 301 NCVCPLSMFGPWVESHTLASPEETRCHPPKXAGRLLELDVADFGCPATTTATVPT 360
 301 NCVCPLSMFGPWVESHTLASPEETRCHPPKXAGRLLELDVADFGCPATTTATVPT 360
 361 TRPVREPTLSSSLATPWLSPATAPASPPSTAPPTVGPVQPODCPSTCLNGCTC 420
 361 TRPVREPTLSSSLATPWLSPATAPASPPSTAPPTVGPVQPODCPSTCLNGCTC 420
 421 HLGRHHLACICPFGFTGLYCESQMGCTRPSPTVPRPRSLTLGIEPVSPSLRVGL 480
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 481 QRYIQSSVOLRSRLTYRNLSGPDKRLVTLRLPASLAETVTLRPNATYSCVMPILGP 540
 481 QRYIQSSVOLRSRLTYRNLSGPDKRLVTLRLPASLAETVTLRPNATYSCVMPILGP 540
 541 GRVEGEACGEAHTPPAVHSNNAFTVQAREGNPLIIAPLAVALLAALVAGAACVCR 600
 541 GRVEGEACGEAHTPPAVHSNNAFTVQAREGNPLIIAPLAVALLAALVAGAACVCR 600
 601 RGRMAAAADKXGVGAGGLEIEGVKVPLEPPKATTEGGELPSSGEVLMGPPG 660
 601 RGRMAAAADKXGVGAGGLEIEGVKVPLEPPKATTEGGELPSSGEVLMGPPG 660
 661 PGLQSPHLAKPYI 673
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Search completed: February 16, 2006, 23:14:46
 Job time : 79 secs

GenCore version 5.1.7
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OW protein - protein search, using SW model

Run on: February 16, 2006, 23:13:39 / Search time 11 Seconds
(without alignments)
869.678 Million cell updates/sec

Title: US-10-063-599-16

Perfect score: 3520
Sequence: 1 MCSRVPLLLPLLLALGPG.....PLMGPGGLOSPLHAKPYI 673

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 107819 seqs, 14214640 residues

Total number of hits satisfying chosen parameters: 107819

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database: Published Applications_AA_New.*

1: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pdb.*
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4: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pdb.*
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6: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pdb.*
7: /cgn2_6/ptodata/1/pubpaa/US11_NEW_PUB.pdb.*
8: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pdb.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	3520	100.0	673	US-10-063-703-16	Sequence 16, Appl
2	3520	100.0	673	US-11-102-240-16	Sequence 16, Appl
3	402.5	11.4	653	US-10-131-826A-438	Sequence 438, App
4	402.5	11.4	653	US-11-135-855-25	Sequence 25, Appl
5	384.5	10.9	660	US-10-131-826A-350	Sequence 350, Appl
6	378	10.7	592	US-11-135-855-24	Sequence 24, Appl
7	372.5	10.6	628	US-10-453-372-548	Sequence 548, App
8	372.5	10.6	628	US-10-453-372-550	Sequence 550, App
9	372.5	10.6	628	US-11-147-047-45	Sequence 45, Appl
10	372.5	10.6	640	US-10-131-826A-368	Sequence 368, Appl
11	369	10.5	1504	US-11-019-711-98	Sequence 98, Appl
12	356.5	10.1	567	US-11-019-711-105	Sequence 105, Appl
13	356.5	10.1	649	US-10-063-703-132	Sequence 132, App
14	354.5	10.1	649	US-11-102-240-132	Sequence 132, App
15	352	10.0	674	US-10-131-826A-106	Sequence 106, Appl
16	349.5	9.9	567	US-11-019-711-106	Sequence 106, Appl
17	347	9.9	581	US-11-089-872-1	Sequence 1, Appl1
18	344.5	9.8	622	US-10-131-826A-180	Sequence 180, App
19	341.5	9.7	708	US-10-131-826A-298	Sequence 298, App
20	334.5	9.5	473	US-10-131-826A-382	Sequence 382, App
21	332.5	9.4	1068	US-10-453-372-1084	Sequence 1084, App
22	332.5	9.4	1068	US-10-453-372-1090	Sequence 1090, App
23	328	9.3	1093	US-10-453-372-1088	Sequence 1088, App
24	319.5	9.1	513	US-10-131-826A-536	Sequence 536, App
25	319.5	9.1	513	US-10-063-703-124	Sequence 124, App

26	319.5	9.1	513	US-11-102-240-124	Sequence 124, App
27	313.5	8.9	771	US-11-147-047-34	Sequence 34, Appl
28	311.5	8.8	1077	US-10-453-372-1086	Sequence 1086, App
29	305.5	8.7	614	US-11-165-576-4	Sequence 4, Appl1
30	305	8.7	1119	US-10-131-826A-512	Sequence 352, App
31	304	8.6	716	US-10-131-826A-512	Sequence 512, App
32	304	8.6	716	US-11-147-047-52	Sequence 52, Appl
33	304	8.6	716	US-11-142-867-2	Sequence 27, Appl1
34	304	8.6	766	US-11-147-047-27	Sequence 27, Appl1
35	301.5	8.6	614	US-11-165-576-2	Sequence 2, Appl1
36	301	8.6	344	US-11-055-163-6	Sequence 6, Appl1
37	301	8.6	479	US-11-147-047-44	Sequence 44, Appl1
38	298.5	8.5	626	US-11-010-748A-1	Sequence 1, Appl1
39	295	8.4	606	US-10-624-932-18	Sequence 18, Appl
40	292	8.3	533	US-11-147-047-33	Sequence 33, Appl
41	291.5	8.3	620	US-10-131-826A-324	Sequence 324, App
42	290.5	8.3	310	US-11-055-163-7	Sequence 7, Appl1
43	290.5	8.3	948	US-11-241-956-10	Sequence 10, Appl
44	287	8.2	606	US-10-624-932-16	Sequence 16, Appl
45	281	8.0	1005	US-11-080-991-90	Sequence 90, Appl

ALIGNMENTS

RESULT 1
US-10-063-703-16
Sequence 16, Application US/10063703
Publication No. US2006008901A1

GENERAL INFORMATION:

APPLICANT: Eaton, Dan L.
APPLICANT: Filvaroff, Ellen
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Macanabe, Colin K.

APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME

FILE REFERENCE: P3230R1C1
CURRENT APPLICATION NUMBER: US/10/063,703
CURRENT FILING DATE: 2002-05-08

Prior Application removed - See Palm or File Wrapper
NUMBER OF SEQ ID NOS: 170
SEQ ID NO 16

LENGTH: 673
TYPE: PRT
ORGANISM: Homo Sapien

US-10-063-703-16

Query Match 100.0%; Score 3520; DB 6; Length 673;
Best Local Similarity 100.0%; Pred. No. 5.5e-219;
Matches 673; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB	1	MCSRVPLLLPLLLALGPGVQGCPSGCGGQCPOTVFCTTAQCTTVPDVPDVTGLVVF	60
QY	61	ENGTMLDAGSPAGPGQLDLSONOIASIPSGVFOPLANSNLDLFRANLHEITNETF	120
DB	61	ENGTMLDAGSPAGPGQLDLSONOIASIPSGVFOPLANSNLDLFRANLHEITNETF	120
QY	61	ENGTMLDAGSPAGPGQLDLSONOIASIPSGVFOPLANSNLDLFRANLHEITNETF	120
DB	61	ENGTMLDAGSPAGPGQLDLSONOIASIPSGVFOPLANSNLDLFRANLHEITNETF	120
QY	121	RGLRLRLTYLGNKRIRHIOGAFDTLRLLEKLQDNELRALPLRLPLLLDLSHNS	180
DB	121	RGLRLRLTYLGNKRIRHIOGAFDTLRLLEKLQDNELRALPLRLPLLLDLSHNS	180
QY	121	RGLRLRLTYLGNKRIRHIOGAFDTLRLLEKLQDNELRALPLRLPLLLDLSHNS	180
DB	121	RGLRLRLTYLGNKRIRHIOGAFDTLRLLEKLQDNELRALPLRLPLLLDLSHNS	180
QY	181	LIALEPGTLDANVEALRLAGLGLQDDEGLFSLRLNHDLDVSDNQLERVPVYRGIRG	240
DB	181	LIALEPGTLDANVEALRLAGLGLQDDEGLFSLRLNHDLDVSDNQLERVPVYRGIRG	240
QY	241	LTRLRLGNTRIAQLRPEDLAGLAALQELDVSNLSLQALPGDLGSLPRLRLAAARNPF	300

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Db      241 LRLRLAGNTRIAQARPEDLAALQELDVSNLSQALPGDLGCFPRLLRLAAARNPF 300
Qy      301 NCVCPLSMFGPWVRESHTLASPEETRCHFPKNAGRLLLELDYADFGCPATTTATVPT 360
Db      301 NCVCPLSMFGPWVRESHTLASPEETRCHFPKNAGRLLLELDYADFGCPATTTATVPT 360
Qy      361 TRPVREPTALSSSLAFTWLSPTAPATAPSPSTAPPTVGPVPODCCPSTCLNGTIC 420
Db      361 TRPVREPTALSSSLAFTWLSPTAPATAPSPSTAPPTVGPVPODCCPSTCLNGTIC 420
Qy      421 HLGRHHLACLCEBFTGLYCESQMGQGRPSPTVPTRPPRSLLTGIEPVSTSLRVGL 480
Db      421 HLGRHHLACLCEBFTGLYCESQMGQGRPSPTVPTRPPRSLLTGIEPVSTSLRVGL 480
Qy      481 QRYLGSSVQLRSRLTYRNLSGPDKRLVTLRLPASLAETVTLQRPNATYSVCVMPDLP 540
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Db      541 GRVPEGEACGEAHTPPAVSHNAPVTOAREGNLPLLIAPALAAVLLAALAAVGAAYCVR 600
Qy      601 RGRMAAAAQDKGVGPGAGPLEEGVXVPLEPGPATEGGGALPSGSECEVPLMGFP 660
Db      601 RGRMAAAAQDKGVGPGAGPLEEGVXVPLEPGPATEGGGALPSGSECEVPLMGFP 660
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RESULT 2

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US-11-102-240-16
/ Sequence 16, Application US/11102240
/ Publication No. US2005026047A1
/ GENERAL INFORMATION:
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Grimaldi, Christopher J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Wood, William L.
/ TITLE OF INVENTION: ANTIBODIES TO POLYPEPTIDES ENCODED BY A NUCLEIC ACID UNDEREXPRESS
/ FILE REFERENCE: P3230R1C106C
/ CURRENT APPLICATION NUMBER: US/11/102,240
/ PRIOR FILING DATE: 2005-04-08
/ PRIOR APPLICATION NUMBER: 10/063662
/ PRIOR FILING DATE: 2002-05-07
/ PRIOR APPLICATION NUMBER: 10/006867
/ PRIOR FILING DATE: 2001-12-06
/ PRIOR APPLICATION NUMBER: PCT/US00/23328
/ PRIOR FILING DATE: 2000-08-24
/ PRIOR APPLICATION NUMBER: 60/170262
/ PRIOR FILING DATE: 199-12-09
/ NUMBER OF SEQ ID NOS: 170
/ SEQ ID NO 16
/ LENGTH: 673
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-11-102-240-16

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Db      181 LLAEPGLIDTANVATLALGLGLOODEGFSRLRNHDDVSNQNERVPPVIRGLRG 240
Qy      241 LRLRLAGNTRIAQARPEDLAALQELDVSNLSQALPGDLGCFPRLLRLAAARNPF 300
Db      241 LRLRLAGNTRIAQARPEDLAALQELDVSNLSQALPGDLGCFPRLLRLAAARNPF 300
Qy      301 NCVCPLSMFGPWVRESHTLASPEETRCHFPKNAGRLLLELDYADFGCPATTTATVPT 360
Db      301 NCVCPLSMFGPWVRESHTLASPEETRCHFPKNAGRLLLELDYADFGCPATTTATVPT 360
Qy      361 TRPVREPTALSSSLAFTWLSPTAPATAPSPSTAPPTVGPVPODCCPSTCLNGTIC 420
Db      361 TRPVREPTALSSSLAFTWLSPTAPATAPSPSTAPPTVGPVPODCCPSTCLNGTIC 420
Qy      421 HLGRHHLACLCEBFTGLYCESQMGQGRPSPTVPTRPPRSLLTGIEPVSTSLRVGL 480
Db      421 HLGRHHLACLCEBFTGLYCESQMGQGRPSPTVPTRPPRSLLTGIEPVSTSLRVGL 480
Qy      481 QRYLGSSVQLRSRLTYRNLSGPDKRLVTLRLPASLAETVTLQRPNATYSVCVMPDLP 540
Db      481 QRYLGSSVQLRSRLTYRNLSGPDKRLVTLRLPASLAETVTLQRPNATYSVCVMPDLP 540
Qy      541 GRVPEGEACGEAHTPPAVSHNAPVTOAREGNLPLLIAPALAAVLLAALAAVGAAYCVR 600
Db      541 GRVPEGEACGEAHTPPAVSHNAPVTOAREGNLPLLIAPALAAVLLAALAAVGAAYCVR 600
Qy      601 RGRMAAAAQDKGVGPGAGPLEEGVXVPLEPGPATEGGGALPSGSECEVPLMGFP 660
Db      601 RGRMAAAAQDKGVGPGAGPLEEGVXVPLEPGPATEGGGALPSGSECEVPLMGFP 660
Qy      661 PGLQSPHLAKPYI 673
Db      661 PGLQSPHLAKPYI 673

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RESULT 3

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US-10-131-826A-438
/ Sequence 438, Application US/10131826A
/ Publication No. US20050245730A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Deforge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P3330R1C128
/ CURRENT APPLICATION NUMBER: US/10/131,826A
/ PRIOR FILING DATE: 2002-04-24
/ PRIOR APPLICATION NUMBER: 60/049911
/ PRIOR FILING DATE: 1997-06-18
/ PRIOR APPLICATION NUMBER: 60/056974
/ PRIOR FILING DATE: 1997-08-26

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/ PRIOR APPLICATION NUMBER: 60/059113
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059115
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059117
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059122
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059184
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059263
/ PRIOR FILING DATE: 1997-09-18
/ PRIOR APPLICATION NUMBER: 60/059352
/ PRIOR FILING DATE: 1997-09-19
/ PRIOR APPLICATION NUMBER: 60/059588
/ PRIOR FILING DATE: 1997-09-19
/ Remaining Prior Application data removed - See file Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 438
/ LENGTH: 653
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-131-826A-438

Query Match      11.4%; Score 402.5; DB 6; Length 653;
Best Local Similarity 25.6%; Pred. No. 8.4e-19;
Matches 174; Conservative 96; Mismatches 265; Indels 145; Gaps 26;

QY 7 LLLPILL-----LALGVCSCGCGCCS--QPTVFCARQGTTPRDVPD 53
DB 17 ILLPVLTAQVWILCAIAAASAGPNCVSCSNGSKVCTRRGLSEVPGIIPSN 76
QY 54 TVGLVFPNGITMDAGSPAGLPGIQLDLSONQIASLPSGVFOPLANISNLDLTANRLH 113
DB 77 TRYLMENNNIOMIQADPFRHLHLEVLQGRNSIROIEVGFNGLASLNTLELDNMLT 136
QY 114 EYMETFRGLRLERLYGKRRIRHIOGAPDTLDRLLELYKQDNELRALPL---RLPR 170
DB 137 VIPS-----GAFEYLSKRELMLRNNPISISPYAFNRVPS 172
QY 171 LLLDLISH-NSLLALEPGLD--TANVEALRLAGLGLOQDLGFLSRRLNHLDDVSDQL 228
DB 173 LMRDLGELKLEIYISGAFEGFLFKLYLNMCKNIKMPN--LTPVLGLEBLEWSGNHF 230
QY 229 ERV-PPVIRGLRGLTRRLIAGNTRIAQLRPEDLAGLAALQELDVSNLSIALPGDLSGLF 287
DB 231 PEIRGSPHGLSLKLMWM--NSQVSLIERNAFDGLASIVELANHNLSLPHD---LF 286
QY 288 PRLRLAAA---RNPNCVCPLSWFGPWVRESHVTLASPESTRCHFPKXNAGRLLLELDY 344
DB 287 TPLRYLVELHLHNPWNCDDILWMLWLR--YIPTNSTCCGCHAPMHRGRYLVEDQ 345
QY 345 ADGCPATTATTAATVTPTRPVVREPTALSSSLAPMLSPATAPASPTAPPTVGP-- 402
DB 346 ASFOCSA-----PFIMDAPRDLNISSEGRNA-----ELKRTIPMSSVKLLDNG 389
QY 403 --VPOPODCPSTCLNGTCHLGRHMLACLCPGFTGLYCESQWOGQTRSPPTVTRPR 460
DB 390 TVLHSHASHRPRISVINDGT--LNFSHVLL-----SDTGVY----- 422
QY 461 PRSLTLGIEPVSPLSLVGLORYLOGSSVOLRSILRYTRNLSGPKRLVTLRLPASLAEY 520
DB 423 ---TCWNTVNAAGNS---NASAYLNVSTAEMLNTSNYSFT-----TVYETTEISPED 468
QY 521 TVTOLRPNATYSCVMP-----LQPGVPEGEACGEAHTPPAVSHNAPTQARE 571
DB 469 TTRKRPVPTTSTGQPAYTTSTVYLIOQTRVPR--QVAVPATDITDKQSTLSDEYMKTK 527
QY 572 GNLPLILAPALAAVLAALAAVGAAYCVR---GMAAAAADKQGVGAGALEGVK 628
DB 528 -----IIIGFVAVTLAAAMLIVFYKLRKHQGSTVTAAR-----TVEIILQ 570
QY 629 VPLERGPATKTEGCGALPSG 648

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DB 571 VD-EDIPATSAATAAPSG 589.

RESULT 4
US-11-135-855-25
/ Sequence 25, Application US/11135855
/ Publication No. US2005025557A1
/ GENERAL INFORMATION:
/ APPLICANT: SMITHKLINE BEECHAM CORPORATION
/ APPLICANT: SMITHKLINE BEECHAM P.L.C.
/ TITLE OF INVENTION: NOVEL COMPOUNDS
/ FILE REFERENCE: GP50013
/ CURRENT APPLICATION NUMBER: US/11/135,855
/ CURRENT FILING DATE: 2005-05-24
/ PRIOR APPLICATION NUMBER: US/10/203,708
/ PRIOR FILING DATE: 2002-08-13
/ PRIOR APPLICATION NUMBER: PCT/US01/04703
/ PRIOR FILING DATE: 2001-02-14
/ PRIOR APPLICATION NUMBER: 60/182,172
/ PRIOR FILING DATE: 2000-02-14
/ PRIOR APPLICATION NUMBER: 60/186,084
/ PRIOR FILING DATE: 2000-02-29
/ NUMBER OF SEQ ID NOS: 46
/ SOFTWARE: faatseq for windows version 3.0
/ SEQ ID NO 25
/ LENGTH: 653
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-11-135-855-25

Query Match      11.4%; Score 402.5; DB 7; Length 653;
Best Local Similarity 25.6%; Pred. No. 8.4e-19;
Matches 174; Conservative 96; Mismatches 265; Indels 145; Gaps 26;

QY 7 LLLPILL-----LALGVCSCGCGCCS--QPTVFCARQGTTPRDVPD 53
DB 17 ILLPVLTAQVWILCAIAAASAGPNCVSCSNGSKVCTRRGLSEVPGIIPSN 76
QY 54 TVGLVFPNGITMDAGSPAGLPGIQLDLSONQIASLPSGVFOPLANISNLDLTANRLH 113
DB 77 TRYLMENNNIOMIQADPFRHLHLEVLQGRNSIROIEVGFNGLASLNTLELDNMLT 136
QY 114 EYMETFRGLRLERLYGKRRIRHIOGAPDTLDRLLELYKQDNELRALPL---RLPR 170
DB 137 VIPS-----GAFEYLSKRELMLRNNPISISPYAFNRVPS 172
QY 171 LLLDLISH-NSLLALEPGLD--TANVEALRLAGLGLOQDLGFLSRRLNHLDDVSDQL 228
DB 173 LMRDLGELKLEIYISGAFEGFLFKLYLNMCKNIKMPN--LTPVLGLEBLEWSGNHF 230
QY 229 ERV-PPVIRGLRGLTRRLIAGNTRIAQLRPEDLAGLAALQELDVSNLSIALPGDLSGLF 287
DB 231 PEIRGSPHGLSLKLMWM--NSQVSLIERNAFDGLASIVELANHNLSLPHD---LF 286
QY 288 PRLRLAAA---RNPNCVCPLSWFGPWVRESHVTLASPESTRCHFPKXNAGRLLLELDY 344
DB 287 TPLRYLVELHLHNPWNCDDILWMLWLR--YIPTNSTCCGCHAPMHRGRYLVEDQ 345
QY 345 ADGCPATTATTAATVTPTRPVVREPTALSSSLAPMLSPATAPASPTAPPTVGP-- 402
DB 346 ASFOCSA-----PFIMDAPRDLNISSEGRNA-----ELKRTIPMSSVKLLDNG 389
QY 403 --VPOPODCPSTCLNGTCHLGRHMLACLCPGFTGLYCESQWOGQTRSPPTVTRPR 460
DB 390 TVLHSHASHRPRISVINDGT--LNFSHVLL-----SDTGVY----- 422
QY 461 PRSLTLGIEPVSPLSLVGLORYLOGSSVOLRSILRYTRNLSGPKRLVTLRLPASLAEY 520
DB 423 ---TCWNTVNAAGNS---NASAYLNVSTAEMLNTSNYSFT-----TVYETTEISPED 468
QY 521 TVTOLRPNATYSCVMP-----LQPGVPEGEACGEAHTPPAVSHNAPTQARE 571

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Db      469  TTRKXKVPPTSTGVPAYVTSTVLTIGTRVFK-QVAVPARDTDDKMQTSLDEVWTKTK 527
Oy      572  GNLPLILPALAAVTLAALAVGAAYCYRR---GAMAAAADKQOVGRGAPLEDEVK 628
Db      528  -----IIIGCEVAAYVTLAAMLVIVFYKURKHQRSTVTAAK-----TWETIIQ 570
Oy      629  VPLEPGKATGCGGGEALPSG 648
Db      571  VD-EDIPATTSAAATTAAPSG 589

RESULT 5
US-10-131-826A-350
; Sequence 350, Application US/10131826A
; Publication No. US20050245730A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Geo, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zhenli
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C128
; CURRENT APPLICATION NUMBER: US/10/131,826A
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See file wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 350
; LENGTH: 660
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-826A-350

Query Match      10.9%; Score 384.5; DB 6; Length 660;
Best Local Similarity 25.1%; Pred. No. 1.2e-17;
Matches 160; Conservative 98; Mismatches 247; Indels 133; Gaps 27

13 LLLALGPGVQ-----GCPGCGCGSCDQWVFCFARQGTTPRVDVPPDVTGLVYFENGITWL 67
20 LLISGLYSQVSKLACPSVCHCDR-NFYVCNERSLTSVPLGIPGCVYVLIANNQIN-- 76

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OY 68 DASSPFGRLGLOLD---LSGQOIALSPSSGFOPLANISNDLTANLHITMETFEGRL 124
Dd 77 NAGFPELHNVOSVHTVYLYGQODEFPMPLPK---NRYVLHODENNIQITSRALAOQL 123
OY 125 RLRLTYLGNKRI--HIOGAEFTDLRLLEKLODNEIRALP---PLRLPRL----- 171
Dd 134 KLEBELHLDNDSISTVGEDKAPREAI SKLFLSKNHLSVPVGLPYDLOELRVENRRIA 193
OY 172 LLLDLSHNSLLALBEQILDPTANVEALRLAGLGLOLDDEGFSRLRNHLDIDVSNOLERV 221
Dd 194 VSDMAFOMLTSLERLYD-GNL-----DTNKGIA---EGFTSHLTKEFSIVRNSLSHP 245
OY 232 PPIYIRGRLGTRRLAGNTRIALQALRPEDLAGLAOLJEDVNSLSQALPCDLSGLPELR 291
Dd 246 PDLPLGTH-LIKLYLOD-QINHIYLTAFNULKRLERDIDINNOJRLTQCGVPDNLNJK 303
OY 292 LLAABNPRVCOSPLSWFGPWVRESHTVLASPEETRCHFRPKNAGRLLELDYADFCSPA 351
Dd 304 QLARANNPPFCOSIKMTWMLKYIPSSL-NVRGPMCGPQVQGMAYREINMLLSCP- 361
OY 352 TTTTATVPTTRPVUREPRLSSSLAPTLWSPLAATLSPSPSAPRTVGVPOPODCPP 411
Dd 362 -TTTGLPLFTP-----APST--ASPQOPPLS-IPNP----- 391
OY 412 STCLNGCTHLYGRNHLACLSPBPTGLYCESOKGOGGRPSPTP-----VT 457
Dd 392 -----SRSY-----TPPTTSKPLTPDMDGRRVY 418
OY 458 PREPRSLTGIBVSPSTSLRVGLDYOVLGSSVOLSRLTLTVRNLSGDKRLVTLRLPAST 517
Dd 419 PPSERIRIGSIHVNDTSLQVGSWLSLFTVMAVYKLTVMWGHSLVG-----IVGRIYSGE 474
OY 518 ABY-TTQOLRPNATTSVCMPLGSPKRVBGEBA-CGEKHTPRA-----VHSHNAVTO 568
Dd 475 KQHSLSVNIPEPSTYKICLVPDANRYAVBDTICSEATTHASYLNGNSNTASHEOTTS 534
OY 569 AREGNPLLIAPALAAVLAAALAAVGAUVC---YARGR 603
Dd 535 HSMGS-PFLDAGLIGAVIFVLVVLISFCHMHKKGR 571

```

```

RESULT 6
US-11-135-855-24
; Sequence 24, Application US/11135855
; Publication No. US20050255557A1
; GENERAL INFORMATION:
; APPLICANT: SMITHKLINE BEECHAM CORPORATION
; APPLICANT: SMITHKLINE BEECHAM P.L.C.
; TITLE OF INVENTION: NOVEL COMPOUNDS
; FILE REFERENCE: GPs0013
; CURRENT APPLICATION NUMBER: US/11/135, 855
; CURRENT FILING DATE: 2005-05-24
; PRIOR APPLICATION NUMBER: US/10/203,708
; PRIOR FILING DATE: 2002-08-13
; PRIOR APPLICATION NUMBER: PCT/US01/04703
; PRIOR FILING DATE: 2001-02-14
; PRIOR APPLICATION NUMBER: 60/182,172
; PRIOR FILING DATE: 2000-02-14
; PRIOR APPLICATION NUMBER: 60/186,084
; PRIOR FILING DATE: 2000-02-29
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 24
; LENGTH: 592
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-135-855-24

Query Match      10.7%; Score 378; DB 7; Length 592;
Best Local Similarity 27.8%; Pred. No. 2.8e-17;
Matches 173; Conservative 57; Mismatches 224; Indels 168; Gaps 24

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QY 2 CSRVLLEPLLELLALGPGVGCPSGCCS-QQVVFCTAROGTTVRDVPPTVGLVVF 60
DB 3 CMLCVLSPLLELLPAPRPAGCCPCACCECTVQRAVACTRRRLTAVPDGI PAETRLLELS 62
QY 61 ENGIMLDAGSFAGLPGLQLDLSQNOIAS-----LPSGVF 96
DB 63 RRIRICLNPGLAALPALEELDSENAIAHVEBPANLPRLRVLRGNQKLIPPGVF 122
QY 97 QPLANISNLDLTANRLHEITNETFRGLRRLERLYLQKNRI RHIOGAFDTLRLLEIKYQ 156
DB 123 TRLDNLTLLDSENLKIVLLDVTFOHLRLREVDNOLVFSRRAFGLLALELTLE 182
QY 157 D-----NEIRALPRLPRLLLDLSHNSILAEPGLD-----TANVEAL 197
DB 183 RGNLTALSGESLGRSLGRSLARLRHLAIALEDOFRRRL-PCGLHLEIDNWPILLEVAAG 241
QY 198 RLAGLGLQOLD-----BGLFSRLANLHDLDVSDNQLEBRVPVING-LRGLTRLR- 245
DB 242 SLRGLNLTSLSTHTNITAVPAAALRHQMLTCLNLSHPISTVP--RGSFRDLVRLNE 298
QY 246 --LAGNTRIAQLRPEDLAGLALQELDVNSLSQALPGDLGFLPRLRLAARPFNCV 303
DB 299 LHLAG-ALLAYVEPQAFGLRQIRLNLNSNNLSTLEESTFHSVNTLETLRVDGNPLACD 357
QY 304 CPLSFPGWVRESHTL-----ASPEETR-----CHFP----- 331
DB 358 CRLL-----WIVQRRKTLNFDGRLPACATPAEVRGDALRMLPDSVLEFVFCKRPFKIRER 413
QY 332 ----PKMGRILLELDYADFGCPATTTTATVPTTRVVRBPTLSSSLPATMSPATPAT 387
DB 414 LQRTATATGEDVRLCRPE-GEPAFTVAVNTPOHRV---TATSGARAVLPGLTLEIQ 468
QY 388 EAPSPSTAPPTVGVPOPOPCPSITCL--NGGTCHLGRHHLACLCPGFTGLYCESQM 445
DB 469 DA-----RPQDSGYTCVNASNG-----GNDTYFATLT----- 496
QY 446 GGGTTPSPRP-VTPRPSPSLTIGI--EPVSPFSLAV-----GLORYL----- 484
DB 497 ---VAPPEANMTPEBAHNETLAALRAPIDLTTITIVSTAMGCTITGLVVLFCFVLLFWMS 553
QY 485 --OGSSVOLRSRLTYRNLSP 504
DB 554 RGRGQKKNFVSVEYSPFKYDGP 575

RESULT 7
US-10-453-372-548
; Sequence 548, Application US/10453372
; Publication No. US20060003323A1
; GENERAL INFORMATION:
; APPLICANT: Alisobrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24

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; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See file wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: Cureseqdist version 0.1
; SEQ ID NO: 548
; LENGTH: 628
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-548

Query Match      10.6%; Score 372.5; DB 6; Length 628;
Best Local Similarity 23.8%; Pred. No. 6.8e-17;
Matches 174; Conservative 54; Mismatches 275; Indels 227; Gaps 24;

QY 8 LLEPLL-LALGPG-----VQCGPSCGCC--SQPVFCTAROGTTVRDVPPTV 55
DB 3 ILPILCLPLAPASPPQSATPSPCRRCQQTQSLSVLCPEAGLLFVPPSLDRBA 62
QY 56 GLVFEENGITMLDAGSFAGLPGLQLDLSQNOIASLPSGVFOPLANISNLDLTANRLHEI 115
DB 63 BLRLADNPIASVRRRDLNMTGLLHLSRVTIRVVAAGAPADLRALALHDGRLTSL 122
QY 116 TNETFRGLRRLERLYLQKNRI RHIOGAFDTLRLLE-LKLDNDELRALPRLPRL-- 171
DB 123 GEGQLRGVLNTRHLILSNQALALAGALDCAETLELDLSYNNLEOLPHEALGRGNV 182
QY 172 LLLDLSHNSLALBEGLIDTANVEALRLAGLQOLDGFLSRRLNHLDDVSDNQLERV 231
DB 183 NTLGLDHN-LLASVPA-----GARSRLHLKARLDMTSRLT 219
QY 222 PVIYRGLGLTRLRLAGNTRIAQLRPEDLAGLALQELDVNSLSQALPGDLGFLPRLR 291
DB 220 PP-----DPLFSRLP 229
QY 292 LLAAR-----NPFNCVPLSWFGPWVRESHTVLAPEETRCHFPKNAGR 338
DB 230 LLARRGSPASALVLAEGNPLHCNCELVLRLAREDL-----EACASFPALGGRY 282
QY 339 LLELDYADFGC-PATTTATVPTTRPVVREPTALSSIA-----FTWLSP----- 382
DB 283 FMAVGESEFVCEBPVVTTRSPPLAVPAGR-PALLRCRAVGPDEPRVWVSQGRLLGNSS 341
QY 383 -----TAP-----ATEAPSPSTAPPTVGVPOPO-----DCPST 413
DB 342 RARAFPNGTLELVTPEPDGIFTCIANNAAGETAVALVTPGPPPOLANSTCDPR 401
QY 414 CLNGGTCHLGRHHLACLCPGFTGLYCESQMGQGTSPPTVTPRPSPSLTIGIEPSP 473
DB 402 -----DG-----DPAITPPSAASAKAYDTGP 425
QY 474 TSLRVGLQRYQSSVOL-----BSLRLTYRNLSPGDKRLVTLRLPASLAET 521
DB 426 PTDH-GVQVTEHGATAALVQWPDPRIPIGIMYIQVY--SSADILLYRMI PAESRSFL 482
QY 522 VTQLRPNATYGVCMPL-----GPRVPEGEAAACEAHPVPHSNHNAVTVQARIGNPL 577
DB 483 LTLASGRTYDLCVLAVEDSATGTLATRPVGCARFSTEPRLRPGAHAPFLGTMIA 542
QY 578 IAPALAAVTLAALAAVGAAYCVRGR-----AMAAAODKGVGPGAGPLELGV 627
DB 543 LGVITVASLVIFIVLMRYKVHGGQPRGKAKIPAPSVSVCQNGALGFPPTP----- 596
QY 628 KVLPEPGKA 637
DB 597 -APPAPBPAA 605

RESULT 8
US-10-453-372-550
; Sequence 550, Application US/10453372
; Publication No. US20060003323A1
; GENERAL INFORMATION:

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APPLICANT: Alsbrook, et al.
TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
FILE REFERENCE: 21402-589 A US/10/453,372
CURRENT APPLICATION NUMBER: 2003-06-03
PRIOR APPLICATION NUMBER: 09/789390
PRIOR FILING DATE: 2001-02-23
PRIOR APPLICATION NUMBER: 60/185967
PRIOR FILING DATE: 2000-03-01
PRIOR APPLICATION NUMBER: 09/623187
PRIOR FILING DATE: 2001-03-29
PRIOR APPLICATION NUMBER: 60/195792
PRIOR FILING DATE: 2000-03-10
PRIOR APPLICATION NUMBER: 09/839446
PRIOR FILING DATE: 2001-03-19
PRIOR APPLICATION NUMBER: 60/199476
PRIOR FILING DATE: 2000-03-25
PRIOR APPLICATION NUMBER: 09/863776
PRIOR FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: 60/208263
PRIOR FILING DATE: 2000-05-31
PRIOR APPLICATION NUMBER: 09/393998
PRIOR FILING DATE: 2001-08-24
PRIOR APPLICATION NUMBER: 60/227800
PRIOR FILING DATE: 2000-08-25
Remaining Prior Application data removed - See File Wrapper or PAM.
NUMBER OF SEQ ID NOS: 1609
SOFTWARE: Cnaseqblast version 0.1
SEQ ID NO 550
LENGTH: 628
TYPE: PRT
ORGANISM: Homo sapiens
US-10-453-372-550

Query Match      10.6%; Score 372.5; DB 6; Length 628;
Best Local Similarity 23.8%; Pred. No. 6,8e-17;
Matches 174; Conservative 54; Mismatches 275; Indels 227; Gaps 24;

QY 8 LPLLL-LTALPG-----VQCGPSGQC---SQQTVFCTARQCTTVRDVPPDV 55
DB 3 ILPLLLPLPASPPOSATPSPCRRCRCQTOSLPSVCPGAGLLFVPPSIDRRAA 62
QY 56 GLVPENGITMDAGSFAGLPGLQLDLSQNOIASLPSGVFOPLANLSNLDLTANRLHEI 115
DB 63 ELRLADNFIAVRRDLAMTGLHLSRNTIRHVAAGAFDALRALHLDGKRLTSL 122
QY 116 TNETRGLRLRLRYLGNRIHQGAFDTLDRLLE-LKQDNEFLALPRLPRL--- 171
DB 123 GEGQRLGLVNLRLHLSNNQLAALAAAGALDDCAETLEDLDLSNNLEQLPWEALGRNGV 182
QY 172 LLLDLSHSLALEPGLIDTANVEALRLAGLGLOLDEGLFSRLRLNLDLVDSDNQLERV 231
DB 183 NTLGLDHN-LTASVPA-----GAFSLHKLARLDMTSNRLTTI 219
QY 232 PVIRGLRLTRLRAGNTRIAQLRPEDLAGLAALOEIDVSNLSQALPGDLSGLFPRLR 291
DB 220 PP-----DPLFSRLP 229
QY 292 LLAABR-----NPFNCVCPLSMFGPWVWESHVTLASPEETRCHFPKXAGRL 338
DB 230 LLAARPGSASALVLAFGGNPLHNCNELVWRLRLAREDDL-----EACASPRALGGRV 282
QY 339 LLELDYADFGC-PATTTTAVPTTRRVVEEPTALSSSLA-----DTWLSPP----- 382
DB 283 PMAVGESEFVCEPVPVTHRSPLAVPAGR-PALRLCRAVGDPEPRVWWSPOGRILGNSS 341
QY 383 -----TAP-----ATBAPSPPTAPPTVGVVQVQ-----DCPPT 413
DB 342 RARAPNGTLELLVTEPGDGIGFTCTAANAAGATAVELTVGPPPPQLANSTSCDPR 401
QY 414 CLNGGTCILGTRHHLACLCPEGFTGLYCEBOMOGTRPSPTVTPPPPSLTGLGIPVSP 473
DB 402 -----DG-----DPDALTPPSASASAKVADTGP 425

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QY 474 TSLRVGLORYQSGSSVOL-----RSLRLTYRNLSGPDKRLVTLRLPASLAET 521
DB 426 PTDR-GVGVTEHGATTAALVQWPDPRIPIGIMYQIQVN--SSADILIVYRMI PAGESRFL 482
QY 522 VTQLRPNATYISVCWML-----GPRGVPEGEAAOCEAHPPAVSHNAHVTAQAREGNLHL 577
DB 483 LTDLASGRTYDLCTVLAAYEDSATGTLATRPVGCARFSTPEPLRPGCAHAPPLGGTMTIIA 542
QY 578 IAPLAVALTALAALAAVGAAYCYRRGR-----AMAAAODKGVGPGAGPLEBGV 627
DB 543 LGGVYASVAVLFIFVLRLMYHGVHGGPFGKAKIAPVSSVCSQTMGALGPPTP----- 596
QY 628 KVPLEPGPKA 637
DB 597 -APPAPEBPA 605

RESULT 9
US-11-147-047-45
Sequence 45, Application US/11147047
Publication No. US20050260668A1
GENERAL INFORMATION:
APPLICANT: Agarwal, Pankaj
APPLICANT: Murdoch, Paul R.
APPLICANT: Rizvi, Safia K.
APPLICANT: Smith, Randall F.
APPLICANT: Xiang, Zhaoying
TITLE OF INVENTION: NOVEL COMPOUNDS
FILE REFERENCE: GPS0016
CURRENT APPLICATION NUMBER: US/11/147,047
CURRENT FILING DATE: 2005-06-07
PRIOR APPLICATION NUMBER: US/10/221,097
PRIOR FILING DATE: 2002-09-06
PRIOR APPLICATION NUMBER: PCT/US01/07143
PRIOR FILING DATE: 2001-03-05
PRIOR APPLICATION NUMBER: 60/187,107
PRIOR FILING DATE: 2000-03-06
PRIOR APPLICATION NUMBER: 60/236,874
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/188,916
PRIOR FILING DATE: 2000-03-13
PRIOR APPLICATION NUMBER: 60/237,846
PRIOR FILING DATE: 2000-10-03
NUMBER OF SEQ ID NOS: 52
SOFTWARE: Faetsq for Windows Version 3.0
SEQ ID NO 45
LENGTH: 628
TYPE: PRT
ORGANISM: Homo sapiens
US-11-147-047-45

Query Match      10.6%; Score 372.5; DB 7; Length 628;
Best Local Similarity 23.8%; Pred. No. 6,8e-17;
Matches 174; Conservative 54; Mismatches 275; Indels 227; Gaps 24;

QY 8 LPLLL-LTALPG-----VQCGPSGQC---SQQTVFCTARQCTTVRDVPPDV 55
DB 3 ILPLLLPLPASPPOSATPSPCRRCRCQTOSLPSVCPGAGLLFVPPSIDRRAA 62
QY 56 GLVPENGITMDAGSFAGLPGLQLDLSQNOIASLPSGVFOPLANLSNLDLTANRLHEI 115
DB 63 ELRLADNFIAVRRDLAMTGLHLSRNTIRHVAAGAFDALRALHLDGKRLTSL 122
QY 116 TNETRGLRLRLRYLGNRIHQGAFDTLDRLLE-LKQDNEFLALPRLPRL--- 171
DB 123 GEGQRLGLVNLRLHLSNNQLAALAAAGALDDCAETLEDLDLSNNLEQLPWEALGRNGV 182
QY 172 LLLDLSHSLALEPGLIDTANVEALRLAGLGLOLDEGLFSRLRLNLDLVDSDNQLERV 231
DB 183 NTLGLDHN-LTASVPA-----GAFSLHKLARLDMTSNRLTTI 219
QY 232 PVIRGLRLTRLRAGNTRIAQLRPEDLAGLAALOEIDVSNLSQALPGDLSGLFPRLR 291

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Db      220 PP-----DPLFSRLP 229
Qy      292 LLAAR-----NPNVCPLSWFPMVESHVTLASPESTRCHPPKXAGRL 338
Db      230 LLARRGPSALVLAFGNPLHNCNELVLRLLAEDDL-----EACASPALGKRY 282
Qy      339 LLELDYADFGC-PATTTTATVPTTRPVVREPTALSSSLA-----PTWLSR 382
Db      283 FMAVGEFEFCEPVTTHRSPLAVBAGR-PALLRCRAVDPRVRWVSPOGRLGNSS 341
Qy      383 -----TAP-----ATPAPSPSTAPPTGPFVPOQ-----DGPST 413
Db      342 RARAPNGTLELLVTEFGDGGIFTCIAANAGATAVELTVGPPPPOLANSTCDPPR 401
Qy      414 CUNGCTHGTNRHLACLCEPFTGLYCSQMGCTRPSPPTPTPPPSLTGLIPEVSP 473
Db      402 -----DG-----DPAITPSPASASAKVADTGP 425
Qy      474 TSLRVGLQRYLQSSVOL-----RSRLTYRNLGSPDKLVTLRPLASLAEXT 521
Db      426 PDR-GVQTEHGATATVQMPDQRPICGIRMYQIYN--SSADILVYRMIPAESRSL 482
Qy      522 VQQLRNATYSCVWML-----GPRGVBESEACGEANTPRVHNSNAPVTOAREGULPL 577
Db      483 LIDLASGRYDLCVLAVEDSATGTATRPVGCARFSTBPALPPCAPAPFLGTMITA 542
Qy      578 IAPALAAVLLAALAAVGAAYCVRRGR-----AMAAADKQGVPGAGPLEGVL 627
Db      543 LGGVIVASLVFIPIVLLMKYKHGGQPPKAKIPAVSSVCSGTNALGPTTPP----- 596
Qy      628 KVLLEPGPKA 637
Db      597 -APPAEPAP 605

RESULT 10
US-10-131-826A-368
; Sequence 368, Application US/10131826A
; Publication No. US20050245730A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey J.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Auelin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C128
; CURRENT APPLICATION NUMBER: US/10/131,826A
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17

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; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See file wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 368
; LENGTH: 640
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-826A-368

Query Match      10.6%; Score 372; DB 6; Length 640;
Best Local Similarity 30.1%; Pred. No. 7.4e-17;
Matches 123; Conservative 60; Mismatches 151; Indels 74; Gaps 14;

6 PLLPLPL---LLALG-PGVGCGPSGCGCS-OPVTFCTARQGTVPDPVPPDVTGLYVF 60
25 FLVVLLALQLLVVAGLVRAQTCESVCSNQFSKIVTCVRKRLREVPGDISNTLLNLH 84
Qy      61 ENGITMLDAGSPAGLPGQLDLSONQIASLPSGVFOPLANISNLDLTANRLHEITNETF 120
Db      85 ENQIQIKVNSPKHLRHLIELQLSRNHIRTEIGAFNGIANLNTLELDNRLLTIPN--- 141
Qy      121 RGLRLRLYLAKRIRIIOGAFPTDLRLLEKLQDELALPPL---RLPRLLLDLS 177
Db      142 -----GAFVYLSKLELMVLRNNPISIPSAFNRIPSLRLDVG 180
Qy      178 HNSLLAL--EPGLDITANVEALRLAGLQOLDEGLFRLNRLNLDVDSNQLBRV-PPV 234
Db      181 ELKRLSYISEGAFBSLRLKRLINLMLCRLREIPN--LPLIKLDBLDSGNHLSAIRGCS 238
Qy      235 IRLGLRLRLAGNTRIAQRPEDLAGLALQELDVSNLSIQALPGSLGFPLRLIA 294
Db      239 FQGLMHLQKLMWI-QSQIQLVERNAFDNLQSLVEINLNNLTLPLHDLFTPLHLIERIH 297
Qy      295 AARNPENCVCLSWFPMVRESHVTLASPEET---RCHPPKXAGRLLELDYADFGCP 350
Db      298 LHNPNMNCDCIILMSWIKD-----MAPSNVACCARCNTPNKLGRYIGELDQNYFTCY 352
Qy      351 ATTTATVPTTRPVVREPTA-----LSSSL-APTWLSP 382
Db      353 A-----PVIYVPPALNVTGMAALCKCRASSTLSVSWITP 389

RESULT 11
US-11-019-711-98
; Sequence 98, Application US/11019711
; Publication No. US20060009634A1
; GENERAL INFORMATION:
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Alabrook II, John P
; APPLICANT: Tchernyev, Velizar T
; APPLICANT: Liu, Xiaohong
; APPLICANT: Spytek, Kimberly A
; APPLICANT: Paturajan, Meera
; APPLICANT: Grose, William M
; APPLICANT: Lepley, Denise M
; APPLICANT: Burgess, Catherine B
; APPLICANT: Vernet, Corine A.M.
; APPLICANT: Li, Li
; APPLICANT: Gorman, Linda
; APPLICANT: Edinger, Shlomit R
; APPLICANT: Sciore, Paul
; APPLICANT: Ellerman, Karen
; APPLICANT: Malyankar, Uziel M
; APPLICANT: Rothenberg, Mark

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Query Match Similarity      10.5%: Score 369; DB 76; Length 1504;
Best Local Similarity      24.7%: Pred. No. 3, 2e-16;
Matches 122; Conservative 70; Mismatches 205; Indels 96; Gaps 14

Dy      24  CPSGCQSQOPOTVFCTAROGTTVPDPVDPVGLVYFENGITMLDA-GSFAGLPGLQLD 82
Db      543  CPAMCHC-EGTIVDCGTGRGLAKEIPRDIPLATTELLINDNELRISDGI.FGLPHLYKLE 601
Dy      83  LSONGIALPSGVFOPLANLSLDTANLTHEITMETFGRLRELYLGGKRIHIOPG 142
Db      602  LKRNOLDTGIEPAFEGASHIQLQGENKIKIISNMFGLMLQKTLNLYDNQISCVWG 661
Dy      143  AFDTLRLLELTKQDNEI-----PALPLRLPLRLLDLSH- 178
Db      662  SFEHINSLTSLINANPFCNCHLAWFAWLEKKSLNGAAGCAPSKRVQDIXDLPIS 721
Dy      179  -----NSLLALEBGILD---TANVEALRLAGLQOQDEGLFSRLNHLDDVSDNL 228
Db      722  EFKCSSESEGLGSGCYCPSPCTCTGYVRCRNQJAKEIPRGIAPATSLY---LESNEI 778
Dy      229  ERVP-PVIRGLRGLTRLRLAGNTRIAQLRPEDLAGLALQELDVS----- 272
Db      779  EOIHERIRHRLSLTRLRLDS-NNQITILSNYTFANLTXTSTIISNKLQCLQRHALSGL 837
Dy      273  -NLSQALPGDLSGLFPR-----LRLAARVPFCVCEPLSMGEPVWRESHYTLASP 323
Db      838  NMLRVLSLHGKNIISMLPEGSFEDLKSLLTHIALGNSNLYCDGGLKXPSDWIKXDYV---EP 894
Dy      334  ETRCHFPFKNAAGRLLELDYDFGCPATTTTATVYPTTRPVVREPRALSSSLAPWLSFT 383
Db      895  GIARCAEPEOMDKILSTPSSSFVCRGRVNDILAKKNACFEQPOQNOAQCV-----A 948

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RESULT 12
US-11-019-711-105
; Sequence 105, Application US/11019711
; Publication No. US20060009634A1
; GENERAL INFORMATION:
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Alsobrook II, John P
; APPLICANT: Tchernev, Velizar T
; APPLICANT: Liu, Xiaohong
; APPLICANT: Spytek, Kimberly A
; APPLICANT: Paturajan, Meera
; APPLICANT: Grose, William M
; APPLICANT: Lepley, Denise M
; APPLICANT: Burgess, Catherine E
; APPLICANT: Vernet, Corine A.M.
; APPLICANT: Li, Li
; APPLICANT: Gorman, Linda
; APPLICANT: Edinger, Shlomit R
; APPLICANT: Sciore, Paul
; APPLICANT: Billeman, Karen
; APPLICANT: Malyanakar, Uriel M
; APPLICANT: Rothenberg, Mark
; APPLICANT: Stone, David J
; APPLICANT: Boldog, Ferenc L
; APPLICANT: Guo, Xiaojia
; APPLICANT: Shenoy, Suresh G
; APPLICANT: Anderson, David W
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Taulier Jr, Raymond J
; APPLICANT: Miller, Charles E
; APPLICANT: Eisen, Andrew J
; TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-235
; CURRENT APPLICATION NUMBER: US/11/019,711
; CURRENT FILING DATE: 2004-12-21
; PRIOR APPLICATION NUMBER: US/10/037,417
; PRIOR FILING DATE: 2002-09-20
; PRIOR APPLICATION NUMBER: 60/260,018
; PRIOR FILING DATE: 2001-01-05
; PRIOR APPLICATION NUMBER: 60/260,360
; PRIOR FILING DATE: 2001-01-08
; PRIOR APPLICATION NUMBER: 60/272,411
; PRIOR FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: 60/772,817
; PRIOR FILING DATE: 2001-03-02
; PRIOR APPLICATION NUMBER: 60/291,186
; PRIOR FILING DATE: 2001-05-15
; PRIOR APPLICATION NUMBER: 60/303,231
; PRIOR FILING DATE: 2001-07-05
; PRIOR APPLICATION NUMBER: 60/305,060
; PRIOR FILING DATE: 2001-07-12
; PRIOR APPLICATION NUMBER: 60/318,405
; PRIOR FILING DATE: 2001-09-10
; PRIOR APPLICATION NUMBER: 60/318,700
; PRIOR FILING DATE: 2001-09-12
; NUMBER OF SEQ ID NOS: 227
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 105
; LENGTH: 567
; TYPE: DRT
; ORGANISM: Mus musculus
US-11-019-711-105

```



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Query Match      10.1%; Score 354.5; DB 7; Length 649;
Best Local Similarity 24.4%; Pred. No. 1e-15;
Matches 155; Conservative 101; Mismatches 263; Indels 117; Gaps 26;

QY 13 LLLALGP---GVQCGSGGCGSQPOTVFTAGTTPRDPVPGVYFENGITMDLA 69
DB 17 LFLQVAPLSVMKSCPSVCRG-DAGPIYCNDRFLTIPGIDEDATVLYLQNNQI----- 70
QY 70 GSFAGLPG-----LQLDLSONQJASLPSGVFOGLANLSMDLTANLHEITNETFG 122
DB 71 -NNAIGIPSDLKMLKVERIYLYHNSIDEPYTLPK--YKELHLQENNIRITITDSLSK 126
QY 123 LARLSRLYLGKRRIR--HIQPGAFDLDRLLEKLQDNEIRALPRLRLY-LLDLSHN 179
DB 127 IYLEBEHLDNDVSASVSEEGAFRNSNTLRILFLSRNHLSTI-PWGLFRTIEELRDN 185
QY 180 SLALU-EPGILDTANVEALRLAG--LGLQQLDEGLFSRLRNHLHDLDVSDNQLEKRVPIR 236
DB 186 RISTISSPSLQGLTSLIKRLVLDGNLNNHGLGDKVFNVLNLTSLVNSSLTAAPVNL 245
QY 237 GURGLTRLRAGNTRIAQLRPEDLAGLALQELDVNSLQALPGDLGSLPRLRLYLA 296
DB 246 G-TNLRKLYLQDN-HINRVPNAFSTLRQLYRLDSSNNLSNDPGIFDDLDNITQLIR 303
QY 297 RHPFNCVCPLSWFGPVRRESHTYTLASPEETRCHFPKNAGRLLLELDYADFQCPATTTA 356
DB 304 NNPMWCGCKMKVYRDLQSLPVKV-NVRGLMCOAPEKAVGMAIKDNLNAILPCKKSGIVS 362
QY 357 TVPTTRPVVREPTALSSSLAPT---WLSPTAPATEAPSPSPAPRPPVGVPOQDCPST 413
DB 363 TIQIT-----TALPNYVPAQGGWPAVTKOPDKNFKLT----- 397
QY 414 CLNGGTCHLSTRNHLACLCPBEPTGLYCSCQMGQGRPSPTPTPRPSLTGLIEVPSP 473
DB 368 -----KDQOTTSPPS-----KTIITITVKSIVS 420
QY 474 TSLRYGLORYLOGSSVQLRSRLTYRNLSGP-DKRLVTLRLPASLAETVTQLRPATYS 532
DB 421 DTIHSWKALPMTLRSLMKLGHSPAFGSITETIVT-----GERSEYLVTALEPDSPYK 476
QY 533 VCVMLPGRGVREGEE--ACGEAHTTPRAVHNSHAPPT-----QAR-----GNLPL--LTA 579
DB 477 VCMVMEETSNLYLFETPVCIETETAPLRMYN--PTTTLNREDEKPYKNPMLPLAATIG 534
QY 580 PALAVALTLAALAAGAAVCVRGRMAAA-AAOPKQ 614
DB 535 GAVVALVTIALALV-CWYVHRNGSLFSRNCAYSKGR 569

RESULT 15
US-10-131-826A-36
; Sequence 36, Application US/10131826A
; Publication No. US20050245730A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Demoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME

```

```

; FILE REFERENCE: P3330R1C128
; CURRENT APPLICATION NUMBER: US/10/131.826A
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 36
; LENGTH: 674
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-826A-36

```

```

Query Match      10.0%; Score 352; DB 6; Length 674;
Best Local Similarity 23.0%; Pred. No. 1.5e-15;
Matches 162; Conservative 100; Mismatches 259; Indels 182; Gaps 28;

QY 24 CPGSGCGSQPOTVFTAGTTPRDPVPGVYFENGITMDAGSFAGLP----- 76
DB 54 CPGVCRGN-GFTYNDGLTSPADIPDDATVLYLQNNQI-----NNAIGIPOLKTKV 106
QY 77 GLQLDLSONQJASLPSGVFOPLANL-----SNLDLTA-----NRLH----- 113
DB 107 NQVQIYVENDLDEFPINLPRLRELIHQDNNVRTIADSLARIPLEKLHLDNSVSTV 166
QY 114 ETTMETFGRLRELYLGKRRIRHIQPGADPTDLRLLEKLQDNEIRALPRLRLY 173
DB 167 SIEEDAFDSQKLFLSRNHLSSIPGLPHTLE--ELKRDRISTTIPHAQKL-- 221
QY 174 LDLSHNSLLEPGLDPTANVEALRLAGLGLQQLDEGLFSRLRNHLHDLDVSDNQLEKRV 233
DB 222 -----NSLRRL--VLD-GNL-----LANQRIDDTFSLQNTLSLVNSL-AAAP 264
QY 234 VIRGLRGLTRLRAGNTRIAQLRPEDLAGLALQELDVNSLQALPGDLGSLPRLRLY 293
DB 265 LNLPSAHLQKLYLQDNA-ISHIPYNTLAKMELEERLDSNNNLTTLPGLFPDDLGNLQL 323
QY 294 AAAARPNCVCPLSWFGPVRRESHTYTLASPEETRCHFPKNAGRLLLELDYADFQCPATT 353
DB 324 LLRNPMWCGCKMLMRDVK-ARAAVNVGMLMCGEPEKRGMAIKYI-----TS 373
QY 354 TTAATVPTTRPVVREPTALSSSLAPTASPTAP-----ATEAPSPSPAPPTVGPVPOPD 408
DB 374 EMDDEFETGPOGCVANNAAKTTASNAHATTPQSLFLTKKRPGLRPLDS-----NID 427
QY 409 CEPSTCLNGGTCHLSTRNHLACLCPBEPTGLYCSCQMGQGRPSPTPTPRPSLTGLI 468
DB 428 YPMAT-----GDGA-----KTLAHV 443
QY 469 EPVSTSLRYGLORYLOGSSVQLRSRLTYRNLSGPDRLVTLRLPASLAETVTQLRPN 528
DB 444 KALTDSDIRITWKATLPASSFRSLRWLRGHSPAVG---STETTVQSGKTEILTLALPK 500
QY 529 ATVSCWMLPGRGVREGEE--ACGEAHTTPRAVHNSHAPVTOARE-----GNLPL--L 577

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Db 501 STYIICWVTMETSNAYVADETFVCAKAETA---DSYGFPTTLNQEQNAGPMASLPLAGI 556
Oy 578 IAPALAAV-LIAPALAAV-----GAAVCVRGRMAAAAQDKQVGFAGPLELEGVKVPL 631
Db 557 ICGAVLVFLPLVLGALICWYVHQAGELLTRERAYNRGRKK----- 597
Oy 632 EPGPKATEGGGEALPSGSECEVPLMGFPGPGLQ---SPLHAK 670
Db 598 -----DDYMESGTCKDNSILEIRGPGLOMLPINPYRAK 630

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Search completed: February 16, 2006, 23:15:02
 Job time : 13 secs